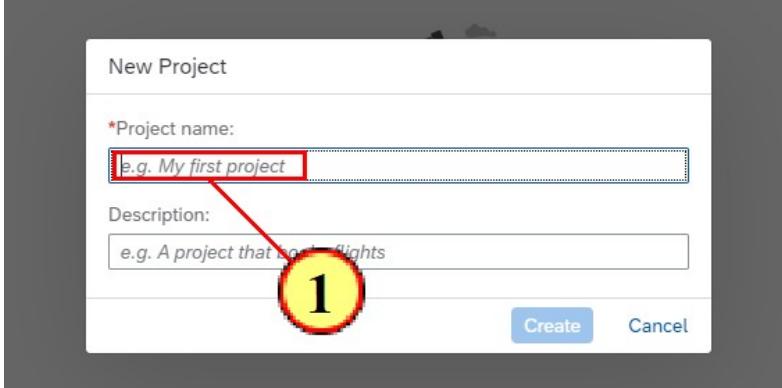
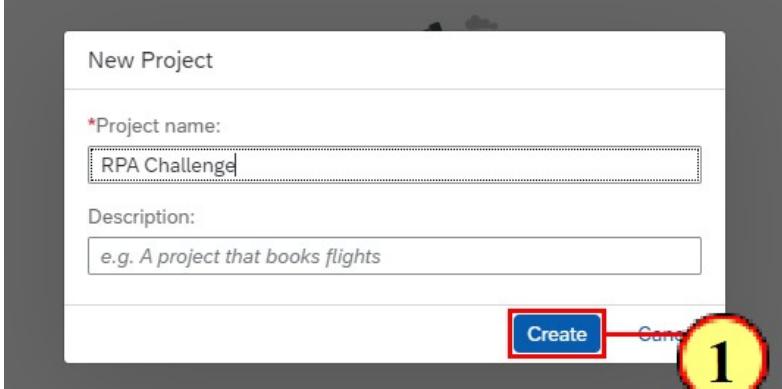
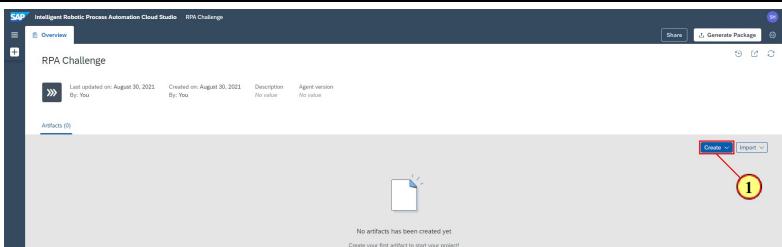
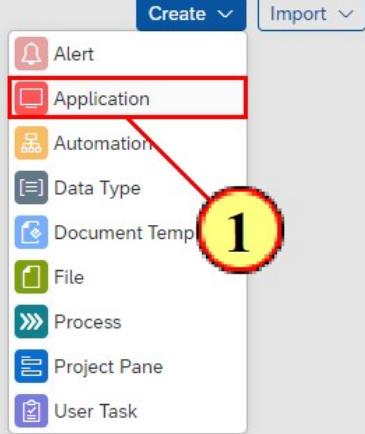
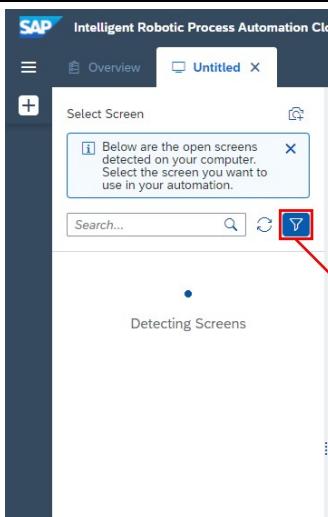


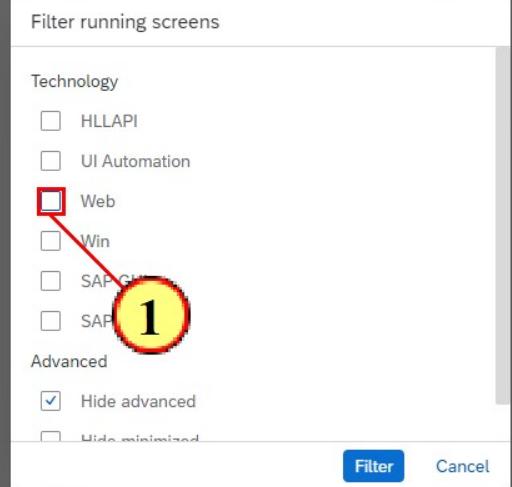
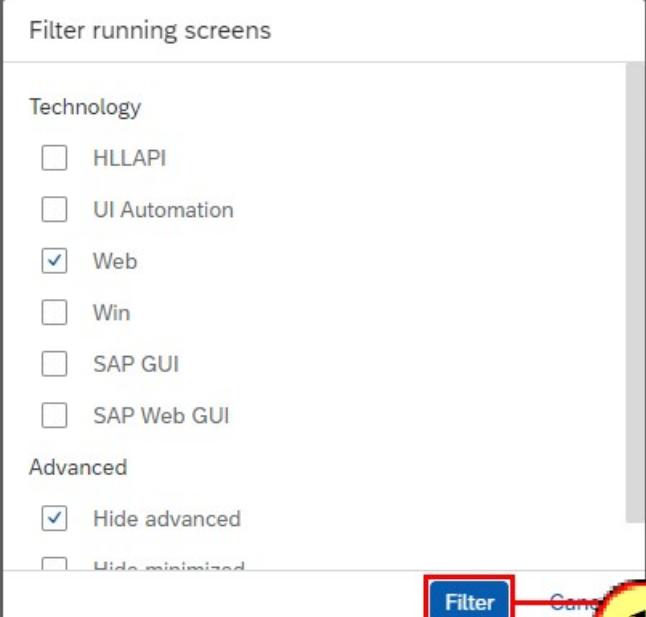


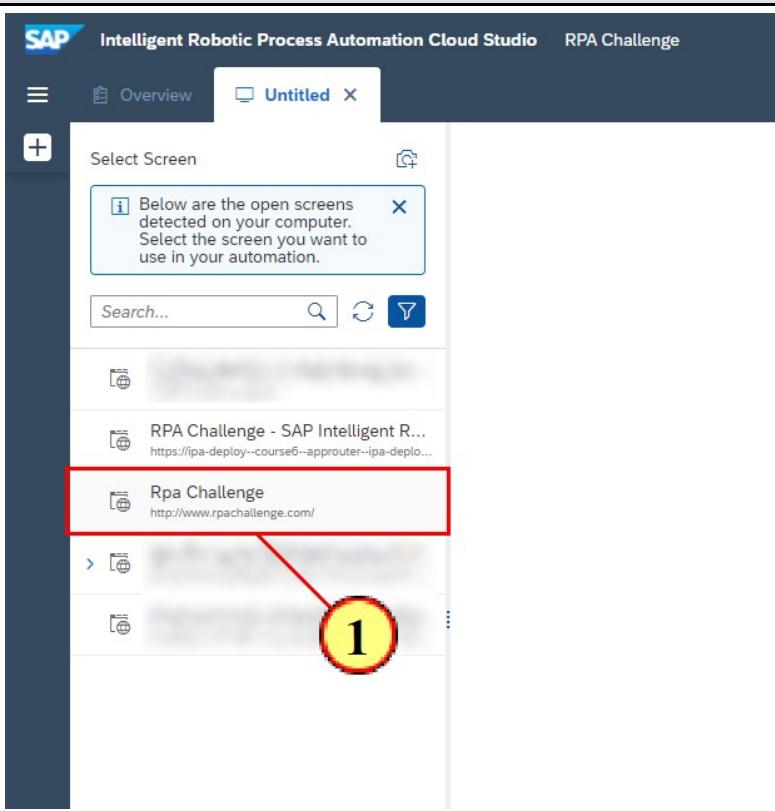
Open a Web Browser, for example: google Chrome!

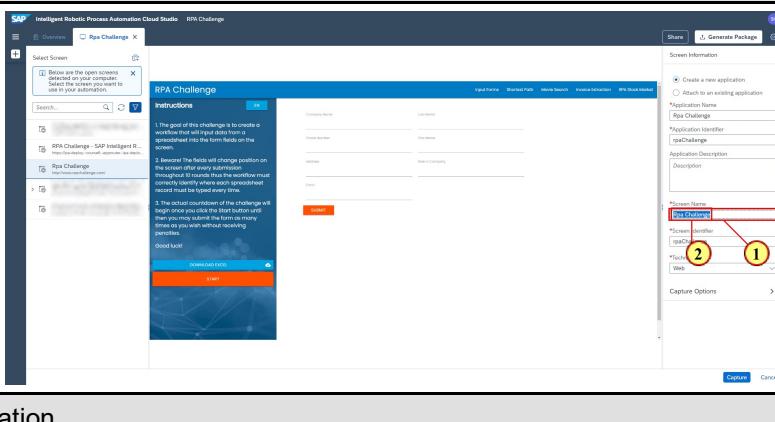
Explanation	Screenshot
Web Browser - Google Chrome	
(1) Enter rpachallenge.com	
Web Browser - RPA Challenge website	
(1) Press Enter	
Once the RPA Challenge website is loaded, go to the Cloud Factory and open it in a different browser window.	
⚠️ Don't open the two applications in the same browser window as tabs.	
Cloud Factory - Creating a new project	
(1) Click the Projects tab in the navigation bar	
Cloud Factory - Creating a new project	
(1) Click the New Project button. A New Project window pops up.	
Cloud Factory - Creating a new project	

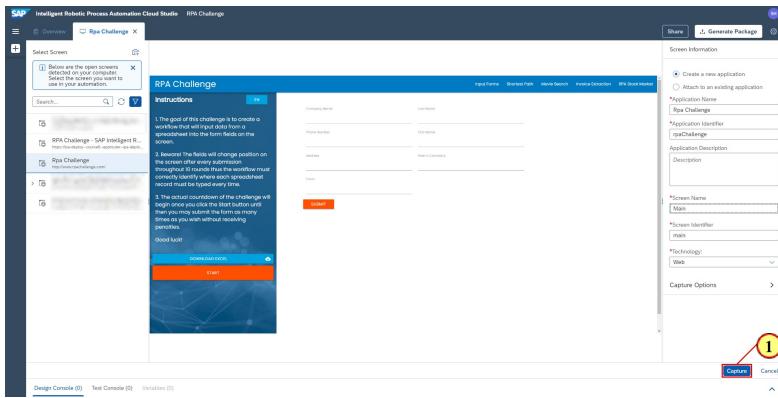
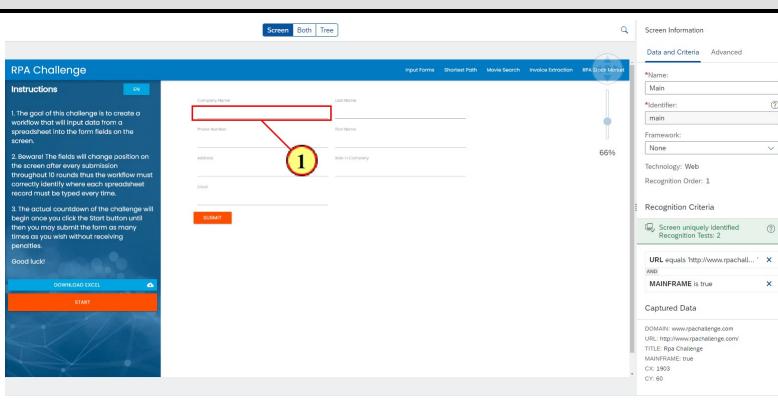
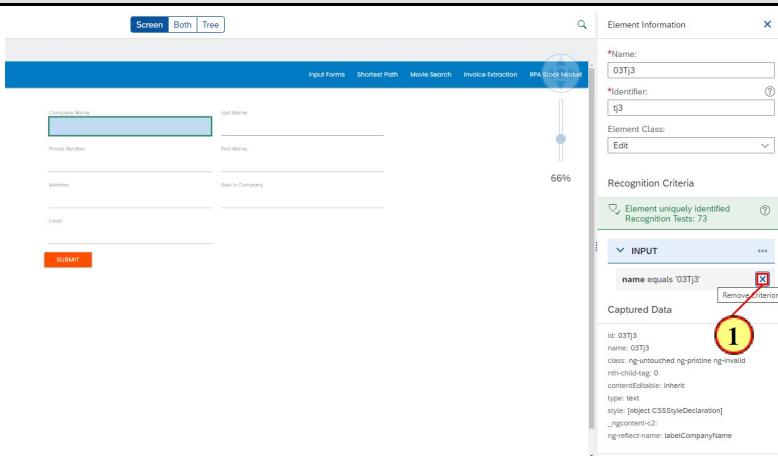
Explanation	Screenshot
(1) Enter a Project name , here we will name it RPA Challenge	
Cloud Factory - Creating a new project	
(1) Click on Create	
Cloud Studio - Creating a new project	
(1) The created project appears in the Cloud Studio, click on Create	
Cloud Studio - Capturing first application	

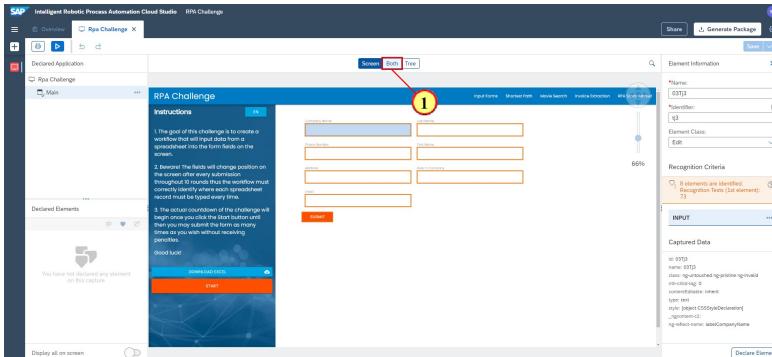
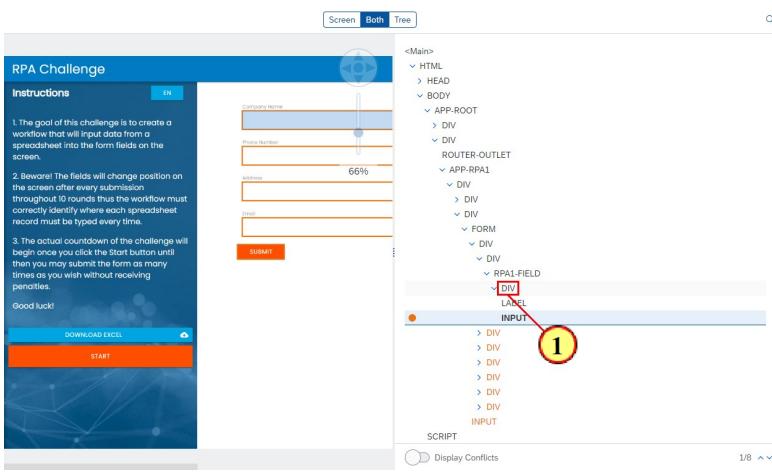
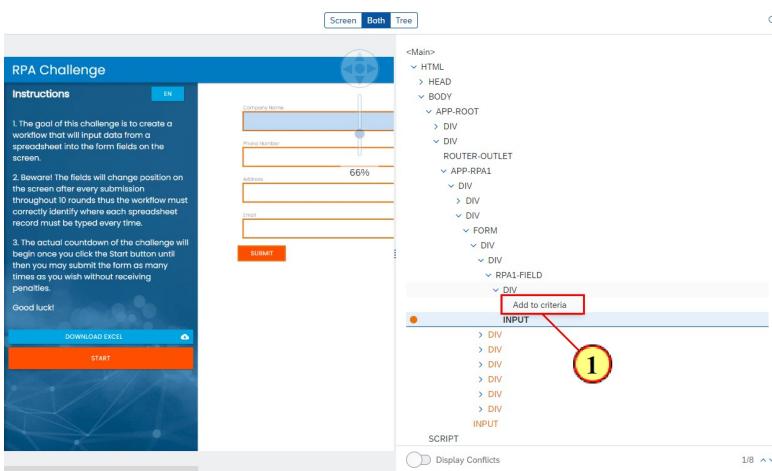
Explanation	Screenshot
(1) A dropdown menu opens. Select Application	
Cloud Studio - Capturing first application	
If the list of screen is very long, filter it via the Filter icon before choosing one. (1) Click on the Filter icon	

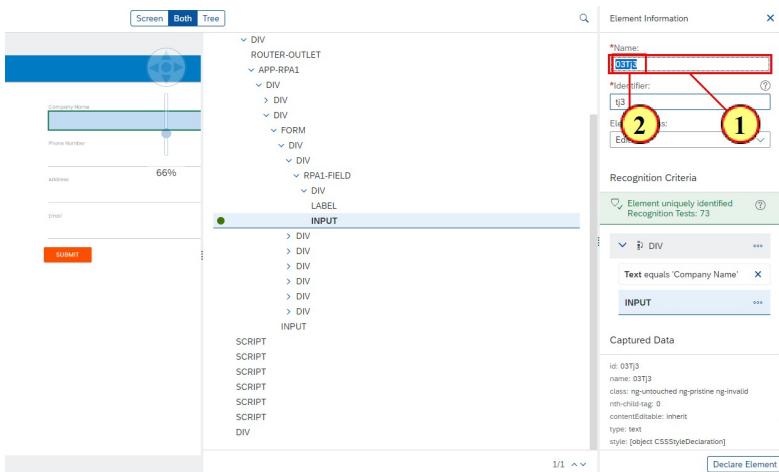
Explanation	Screenshot
(1) Select Web as Technology	
Cloud Studio - Capturing first application	
(1) Click on Filter	
Cloud Studio - Capturing first application	

Explanation	Screenshot
<p>(1) In the Select Screen side panel, select the RPA Challenge website from the list. A preview image of the screen is displayed in the capture area.</p> <p> If applications are not listed be sure that your desktop agent is up and running (check the purple icon in the systray)</p>	

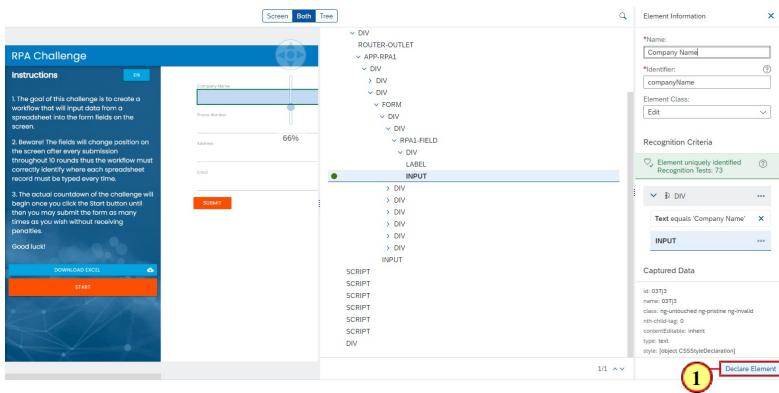
Cloud Studio - Capturing first application	
<p> In the Screen Information side panel, enter a Screen Name</p> <p>(1) Click on the Screen Name field</p> <p>(2) Enter Main as the screen name</p>	

Explanation	Screenshot
(1) Click on Capture	
Cloud Studio - Declaring the first element	
(1) Click on the first field to select it	
Cloud Studio - Declaring the first element - Step 1 : Set the Recognition Criteria	

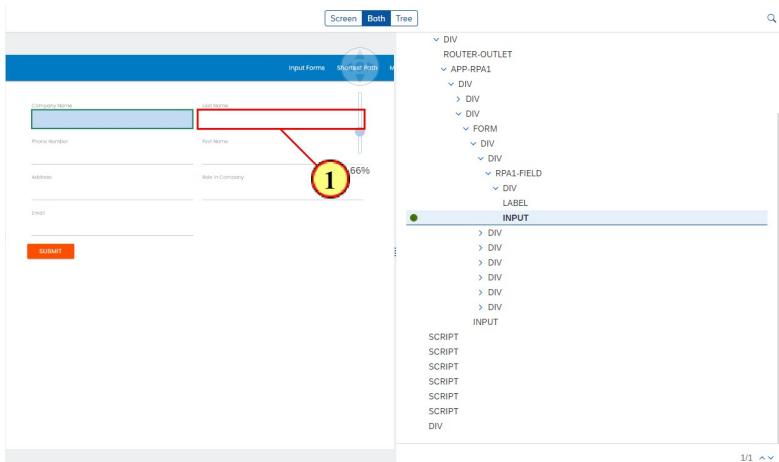
Explanation	Screenshot
<p>(1) Click on Both to display the Screen and the Tree</p>	
<p>Cloud Studio - Declaring the first element - Step 1 : Set the Recognition Criteria</p>	
<p>(1) Right-click on the parent DIV of the selected element</p> <p></p> <p>Adding the parent DIV of the selected element as criteria will uniquely recognize the element. Be sure that each element is uniquely identified (cf. Recognition tests)</p>	
<p>Cloud Studio - Declaring the first element - Step 1 : Set the Recognition Criteria</p>	
<p>(1) Click Add to criteria. The parent DIV is added as Criteria.</p>	
<p>Cloud Studio - Declaring the first element - Step 2 : Set the Element Information</p>	

Explanation	Screenshot
<p> In the Element Information side panel, enter a name for the element</p> <p>(1) Click on the field Name</p> <p>(2) Enter the Name of the field as described in the DIV text criterion.</p> <p>Here, for example: Company Name</p>	 <p>The screenshot shows the Cloud Studio interface with the Element Information panel open. The 'Name' field is highlighted with a red box and circled with a yellow circle labeled '1'. The 'Identifier' field is also circled with a yellow circle labeled '2'. The Recognition Criteria section shows a criterion for the 'Text equals 'Company Name''.</p>

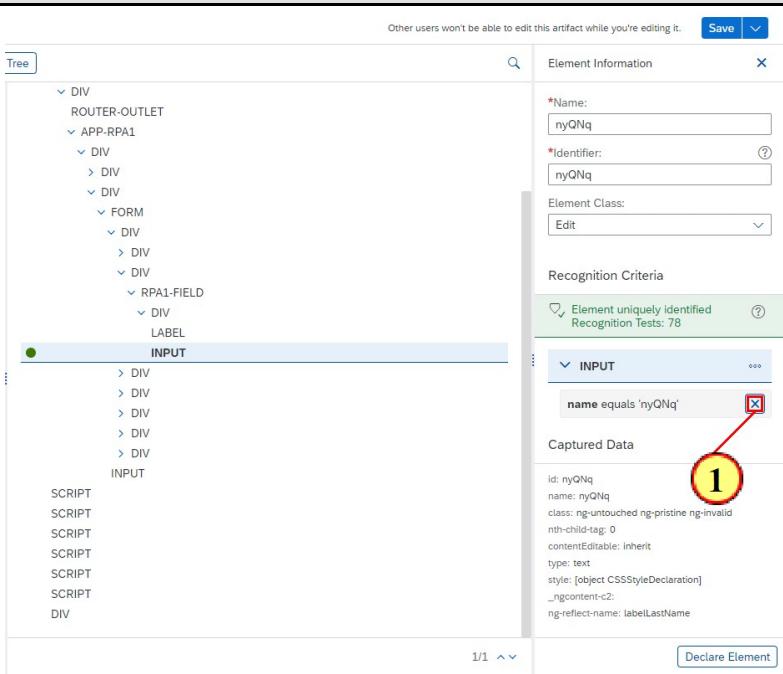
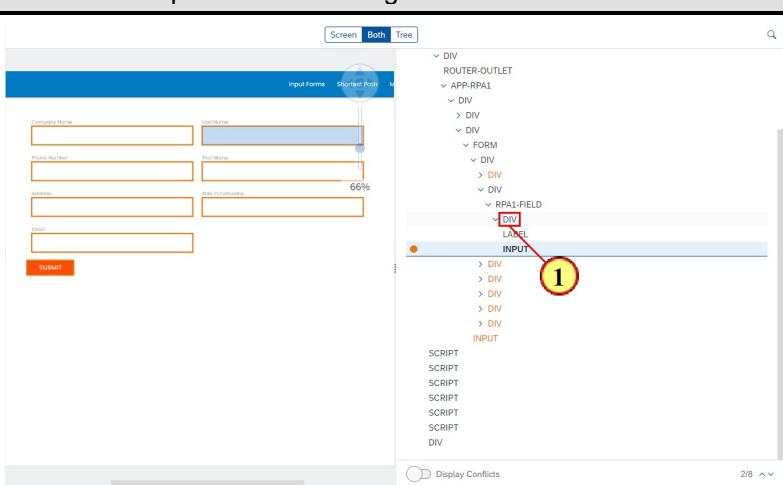
Cloud Studio - Declaring the first element - Step 3 : Declare the element

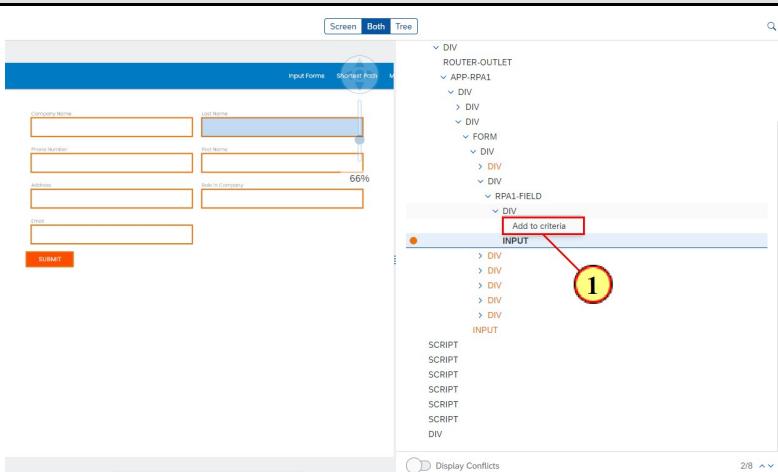
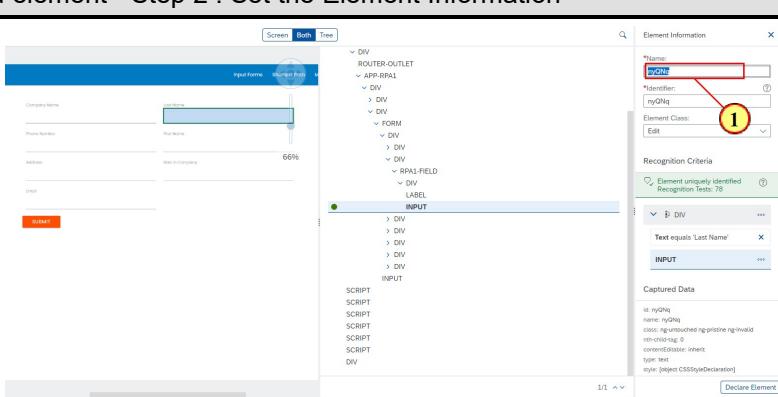
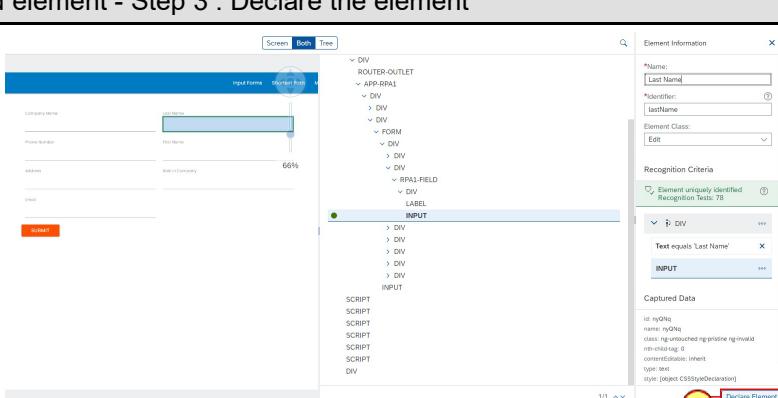
<p>(1) Click on Declare Element</p>	 <p>The screenshot shows the Cloud Studio interface with the Element Information panel open. The 'Declare Element' button is highlighted with a red box and circled with a yellow circle labeled '1'.</p>
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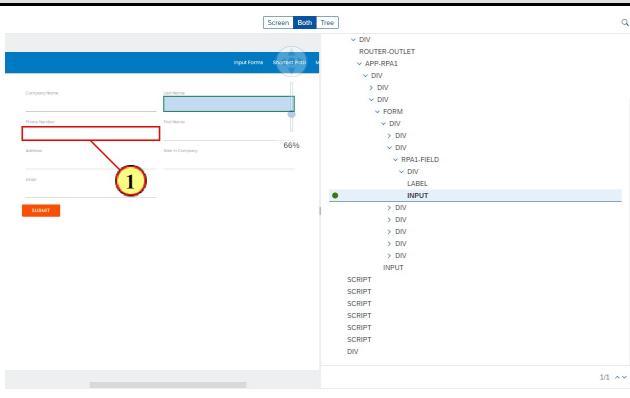
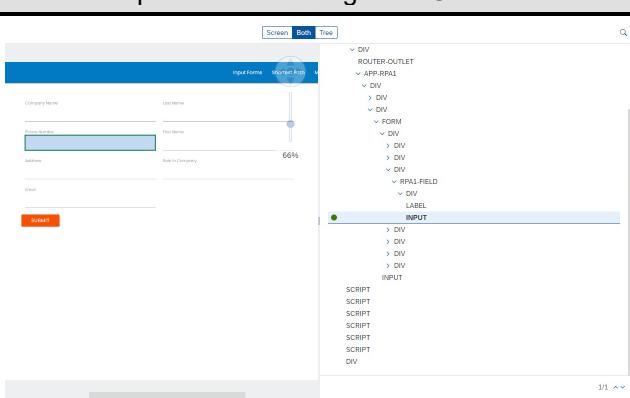
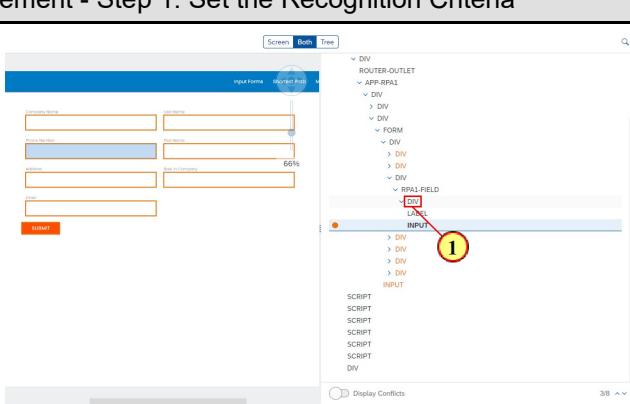
Cloud Studio - Declaring the second element

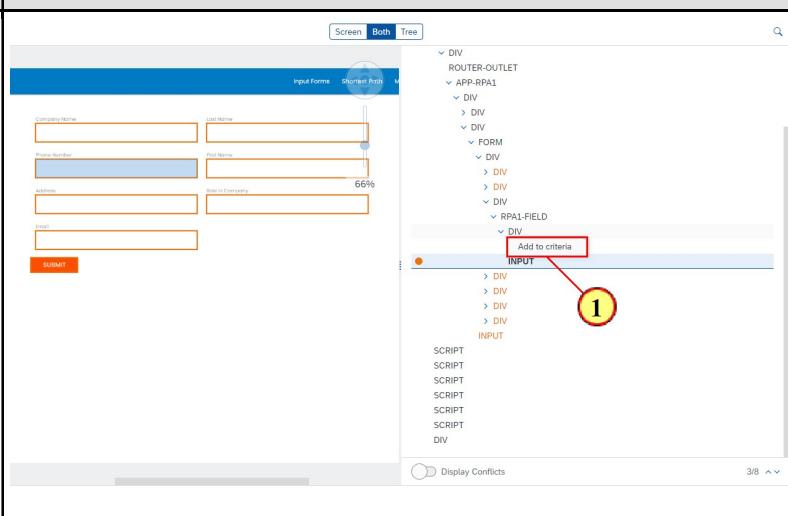
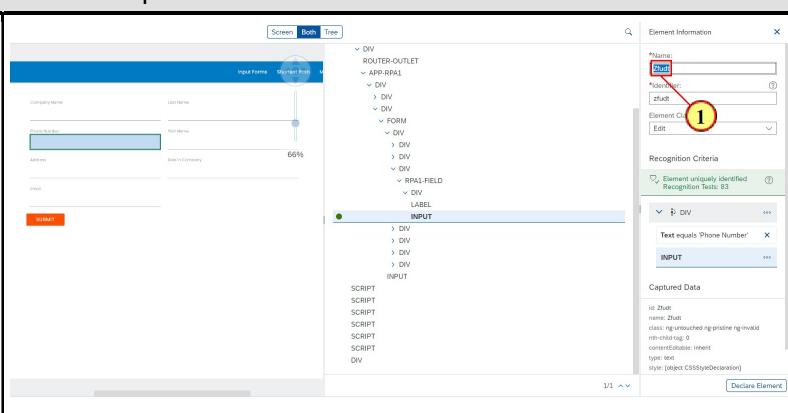
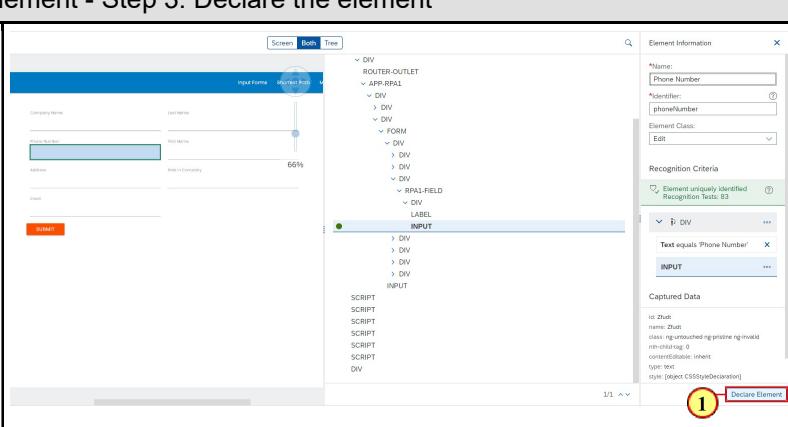
<p>(1) Click on the next field to declare</p>	 <p>The screenshot shows the Cloud Studio interface with the Element Information panel open. The 'Post Name' input field is highlighted with a red box and circled with a yellow circle labeled '1'.</p>
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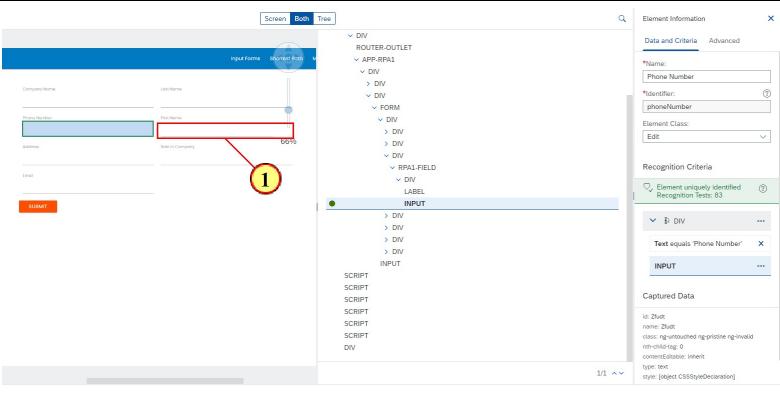
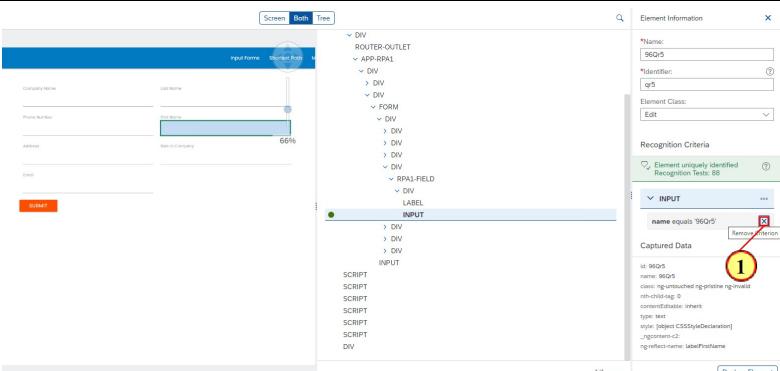
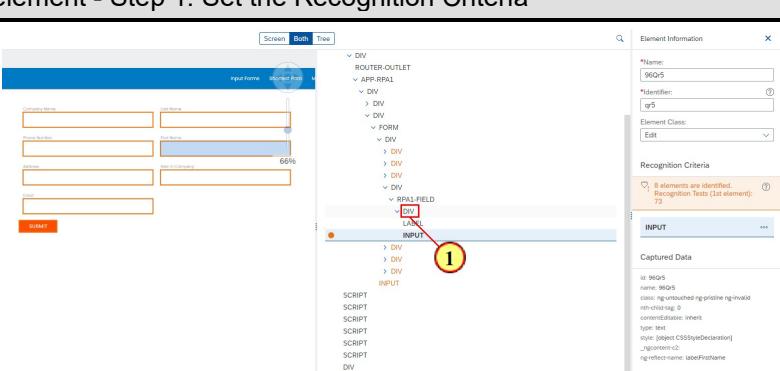
Cloud Studio - Declaring the second element - Step 1 : Set the Recognition Criteria

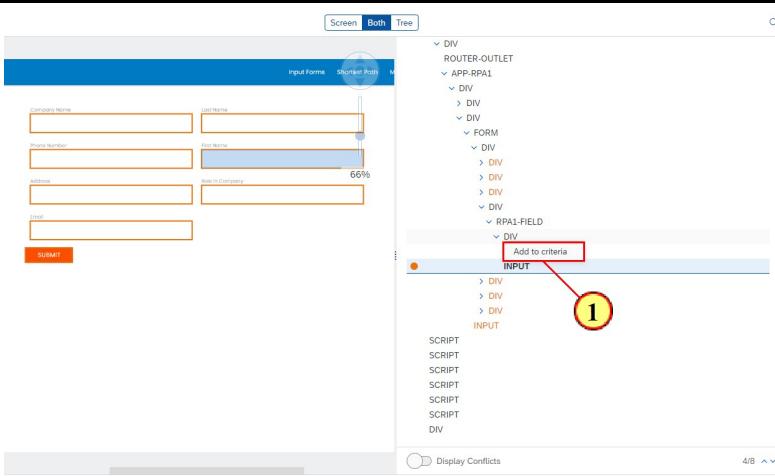
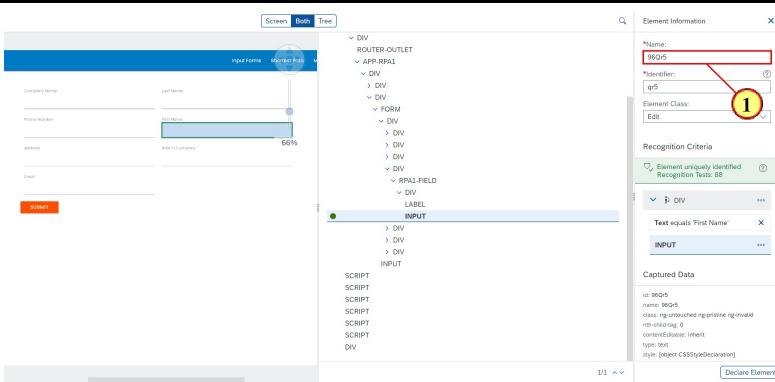
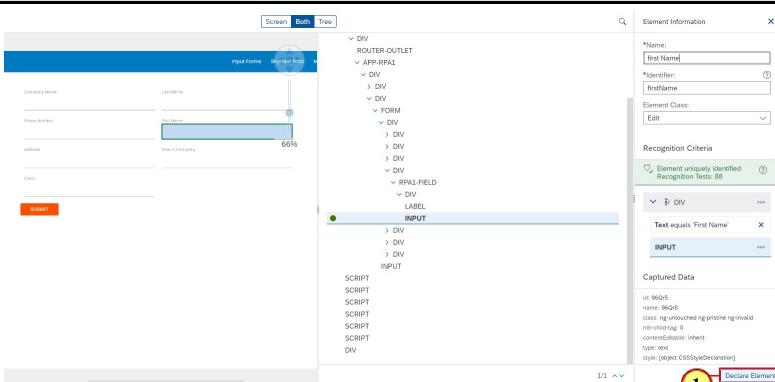
Explanation	Screenshot
(1) Remove the default criteria	
Cloud Studio - Declaring the second element - Step 1 : Set the Recognition Criteria	
(1) Right-click on the parent DIV of the selected element	
Cloud Studio - Declaring the second element - Step 1 : Set the Recognition Criteria	

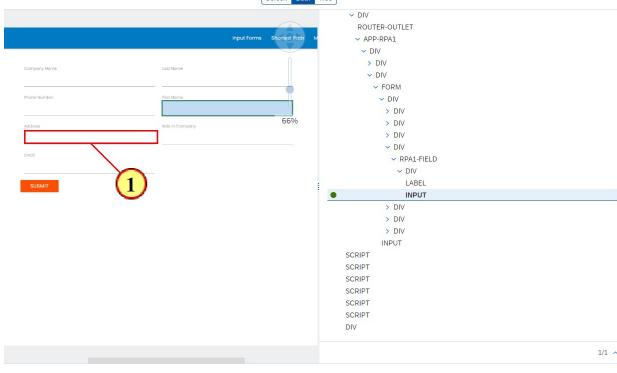
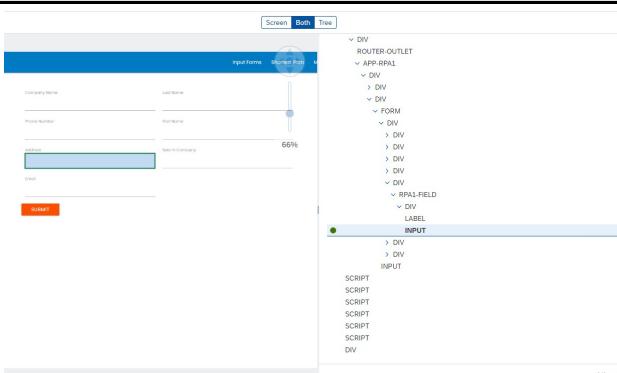
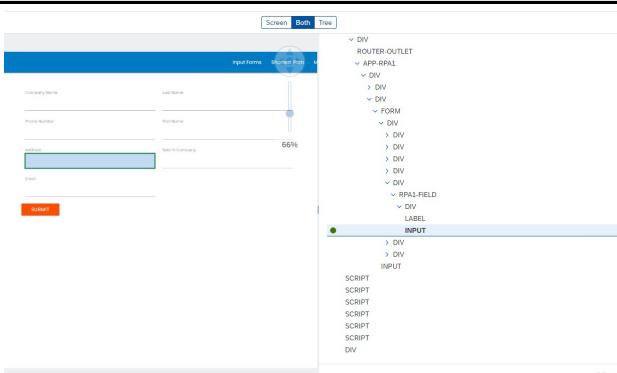
Explanation	Screenshot
<p>(1) Click Add to criteria. The parent DIV is added as Criteria</p>	
<p>Cloud Studio - Declaring the second element - Step 2 : Set the Element Information</p> <p>(1) Enter the Name of the field as described in the DIV text criterion.</p> <p>Here, for example: Last Name</p>	
<p>Cloud Studio - Declaring the second element - Step 3 : Declare the element</p> <p>(1) Click on Declare Element</p>	
<p>Cloud Studio - Declaring the third element</p>	

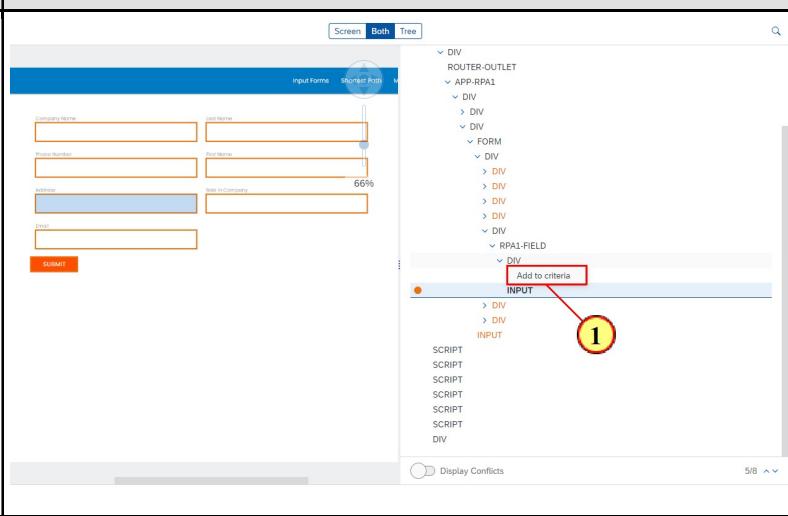
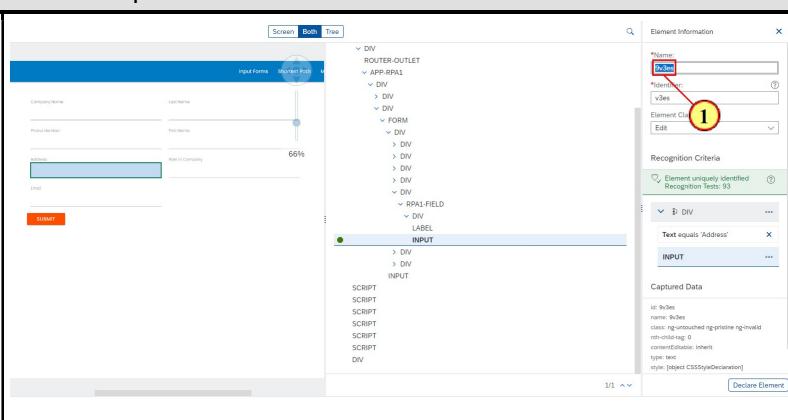
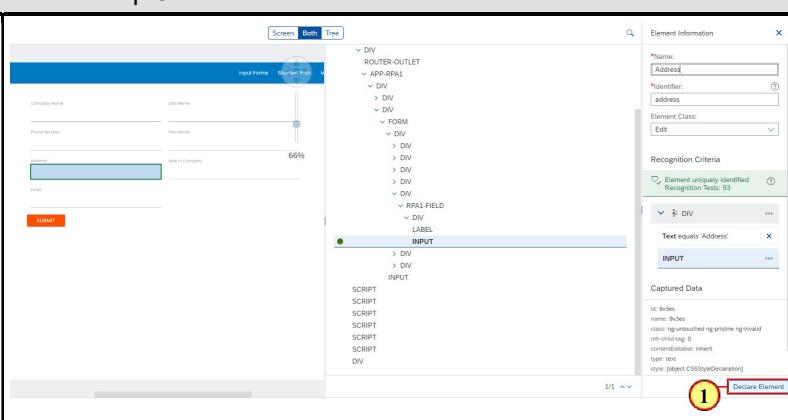
Explanation	Screenshot
(1) Click on the next field to declare	 <div data-bbox="1208 271 1356 669"> <p>Element Information</p> <p>Name: LastName</p> <p>Identifier: LastName</p> <p>Element Class: Edit</p> <p>Recognition Criteria</p> <p>Element uniquely identified</p> <p>Recognition Tests: 78</p> <p>B DIV</p> <p>Text equals 'LastName'</p> <p>INPUT</p> <p>Captured Data</p> <pre>id: myName name: myName class: ng-untouched ng-pristine ng-invalid ng-child-sel: 0 content-attr: inherit type: text style: [object CSSStyleDeclaration] _ngopt-type:C2 _ng-reflect-name: lastName</pre> </div>
(1) Remove the default criteria	 <div data-bbox="1208 720 1356 1118"> <p>Element Information</p> <p>Name: LastName</p> <p>Identifier: LastName</p> <p>Element Class: Edit</p> <p>Recognition Criteria</p> <p>Element uniquely identified</p> <p>Recognition Tests: 83</p> <p>INPUT</p> <p>name equals ZLastName</p> <p>Captured Data</p> <pre>id: zLastName name: zLastName class: ng-untouched ng-pristine ng-invalid ng-child-sel: 0 content-attr: inherit type: text style: [object CSSStyleDeclaration] _ngopt-type:C2 _ng-reflect-name: lastName</pre> </div>
(1) Right-click on the parent DIV of the selected element	 <div data-bbox="1208 1170 1356 1574"> <p>Element Information</p> <p>Name: LastName</p> <p>Identifier: LastName</p> <p>Element Class: Edit</p> <p>Recognition Criteria</p> <p>8 elements are identified</p> <p>Recognition Tests (1st element): 73</p> <p>INPUT</p> <p>Captured Data</p> <pre>id: zLastName name: zLastName class: ng-untouched ng-pristine ng-invalid ng-child-sel: 0 content-attr: inherit type: text style: [object CSSStyleDeclaration] _ngopt-type:C2 _ng-reflect-name: lastName</pre> </div>
Cloud Studio - Declaring the third element - Step 1: Set the Recognition Criteria	

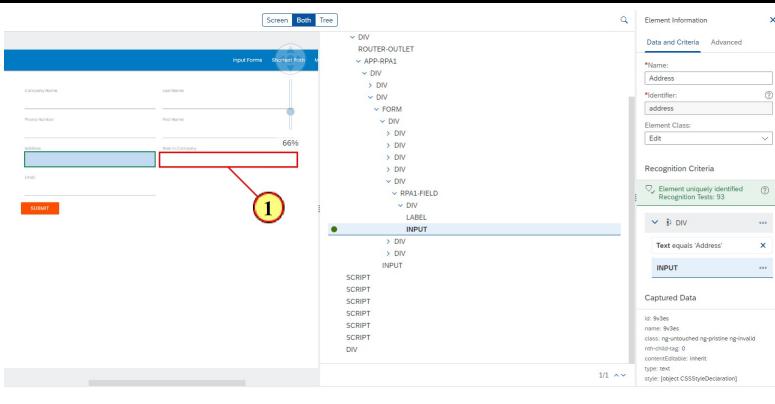
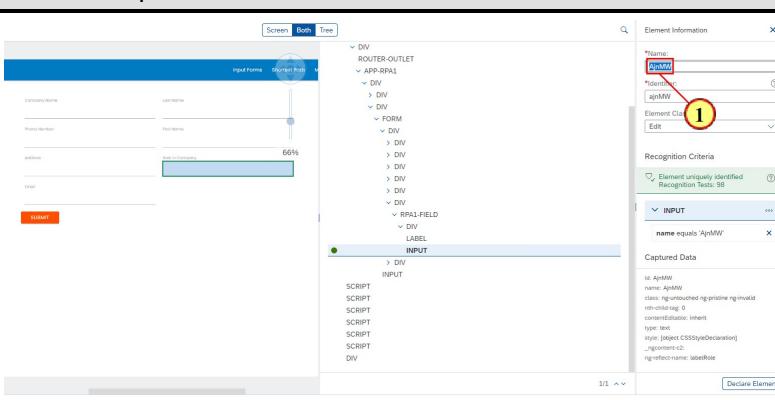
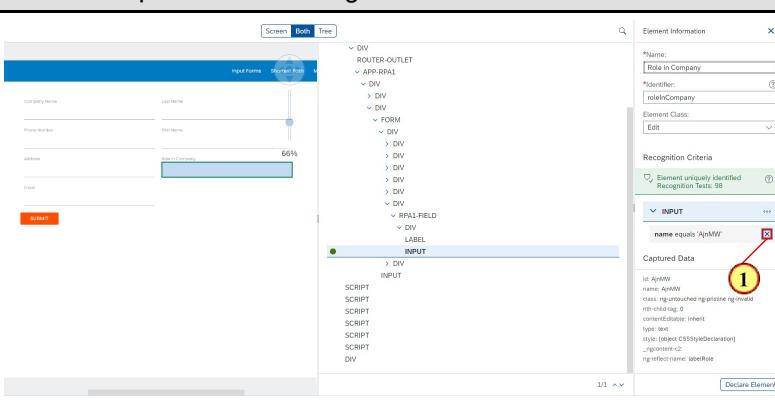
Explanation	Screenshot
<p>(1) Click Add to criteria. The parent DIV is added as Criteria</p>	
<p>Cloud Studio - Declaring the third element - Step 2: Set the Element Information</p>	
<p>(1) Enter the Name of the field as described in the DIV text criterion. Here, for example: Phone Number</p>	
<p>Cloud Studio - Declaring the third element - Step 3: Declare the element</p>	
<p>(1) Click on Declare Element</p>	
<p>Cloud Studio - Declaring the fourth element</p>	

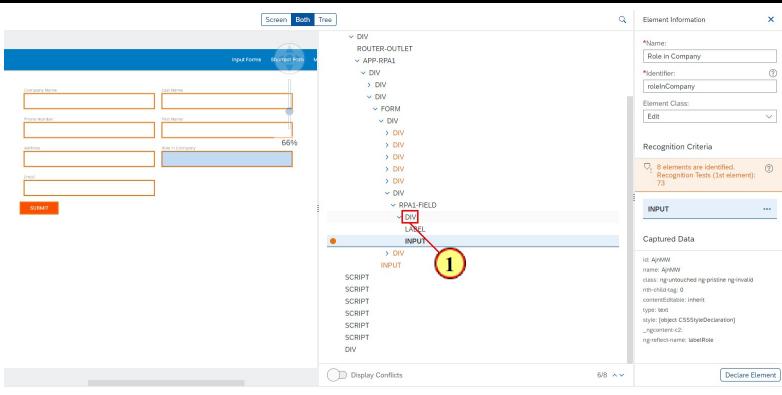
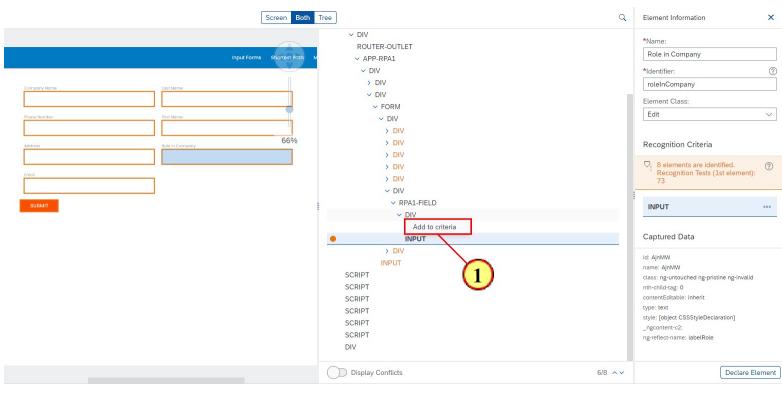
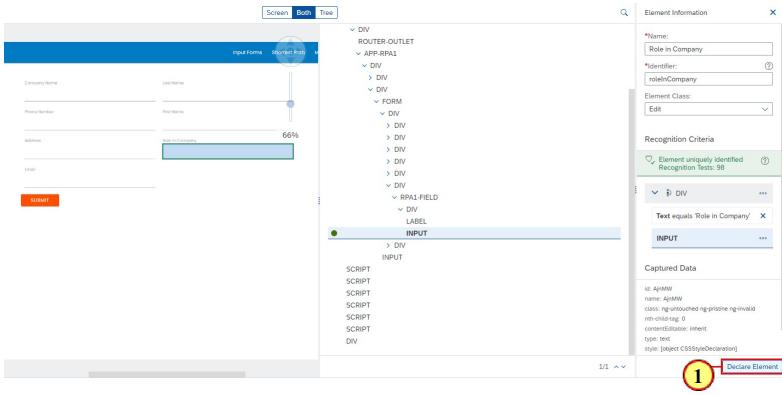
Explanation	Screenshot
<p>(1) Click on the next field to declare</p>	
<p>Cloud Studio - Declaring the fourth element - Step 1: Set the Recognition Criteria</p> <p>(1) Remove the default criteria</p>	
<p>Cloud Studio - Declaring the fourth element - Step 1: Set the Recognition Criteria</p> <p>(1) Right-click on the parent DIV of the selected element</p>	
<p>Cloud Studio - Declaring the fourth element - Step 1: Set the Recognition Criteria</p>	

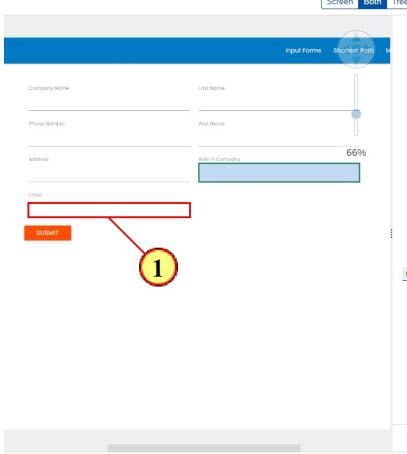
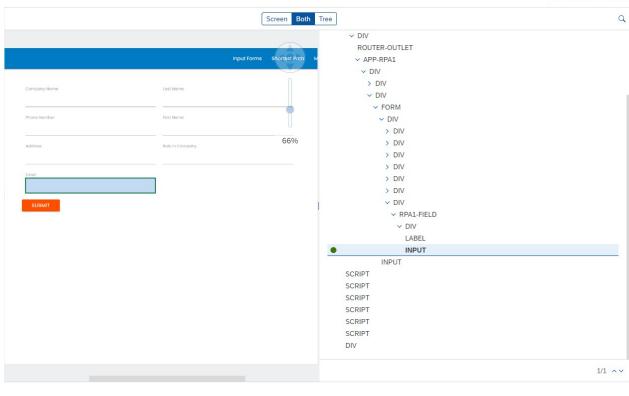
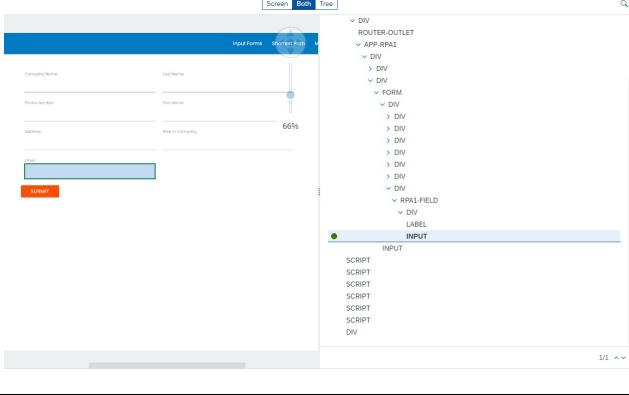
Explanation	Screenshot
<p>(1) Click Add to criteria. The parent DIV is added as Criteria</p>	
<p>Cloud Studio - Declaring the fourth element - Step 2: Set the Element Information</p>	
<p>(1) Enter the Name of the field as described in the DIV text criterion.</p> <p>Here, for example: First Name</p>	
<p>Cloud Studio - Declaring the fourth element - Step 3: Declare the element</p>	
<p>(1) Click on Declare Element</p>	
<p>Cloud Studio - Declaring the fifth element</p>	

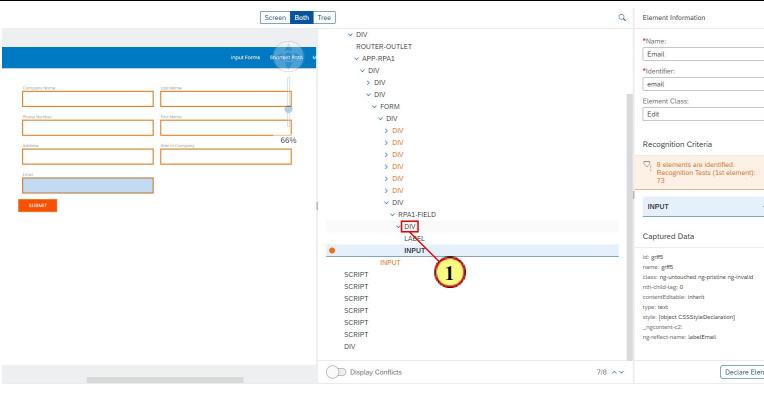
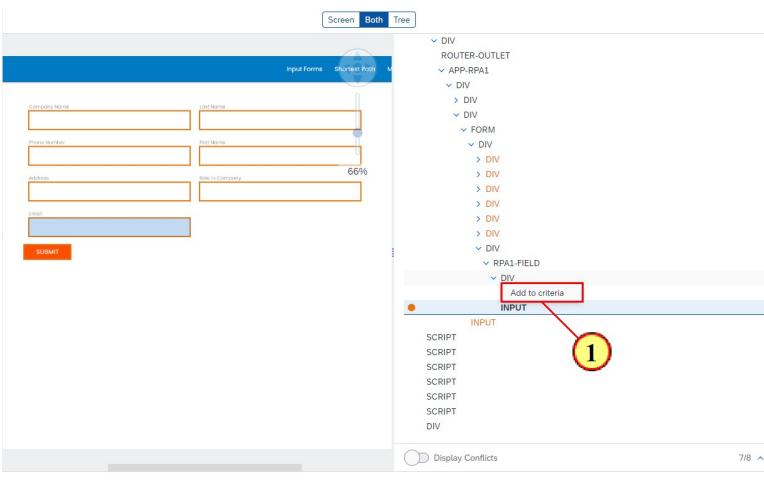
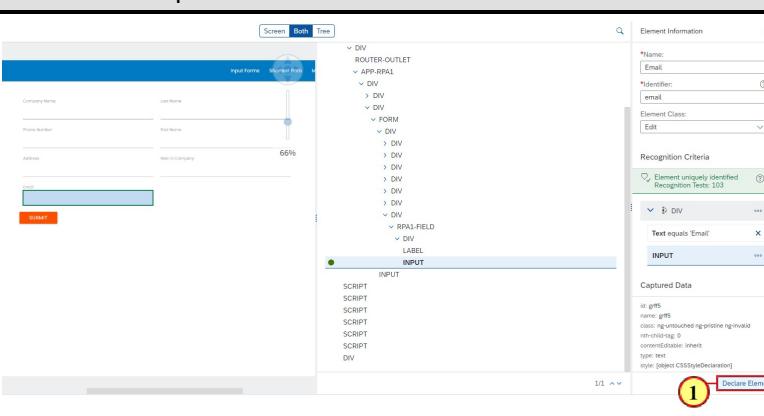
Explanation	Screenshot
(1) Click on the next field to declare	 <p>The screenshot shows a web application interface with several input fields. A red arrow highlights the 'Address' input field, which is the target for the next declaration step. A yellow circle with the number '1' is placed over this field.</p>
Cloud Studio - Declaring the fifth element - Step 1: Set the Recognition Criteria	 <p>The screenshot shows the same application interface after the 'Address' field has been selected. The field is now highlighted with a red border, indicating it is the current target for declaration. A yellow circle with the number '1' is placed over the 'Address' field.</p>
(1) Remove the default criteria	 <p>The screenshot shows the 'Element Information' panel with the 'Recognition Criteria' tab selected. It displays a single criterion: 'Text equals First Name'. A red box highlights this criterion, and a yellow circle with the number '1' is placed over it.</p>
Cloud Studio - Declaring the fifth element - Step 1: Set the Recognition Criteria	

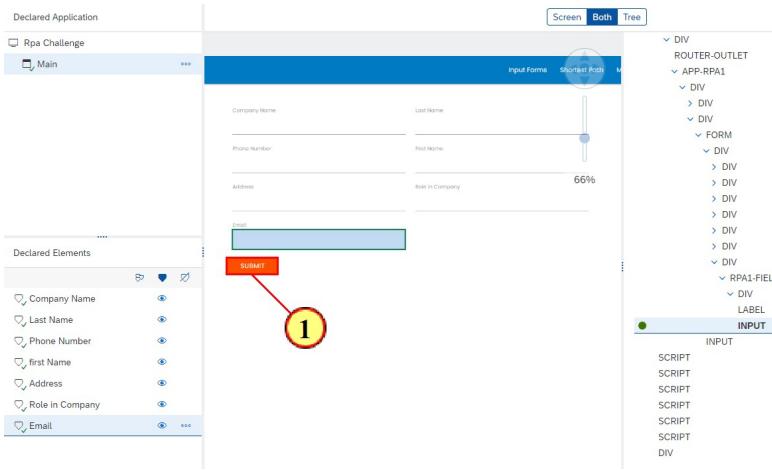
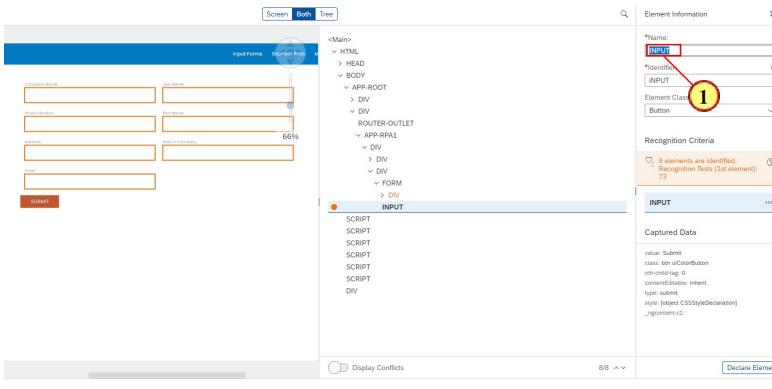
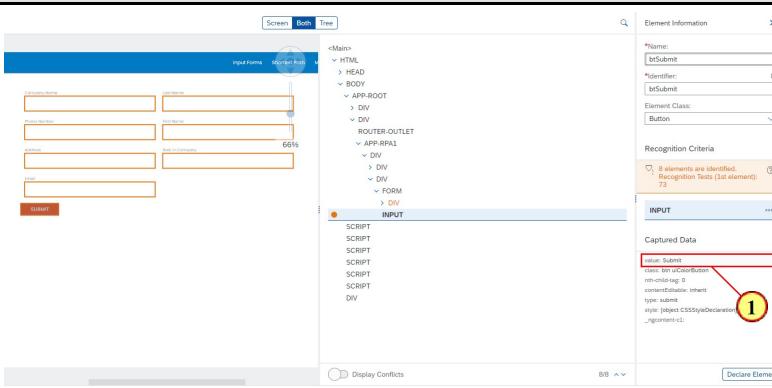
Explanation	Screenshot
<p>(1) Click Add to criteria. The parent DIV is added as Criteria</p>	
<p>Cloud Studio - Declaring the fifth element - Step 2: Set the Element Information</p>	
<p>(1) Enter the Name of the field as described in the DIV text criterion. Here, for example: Address</p>	
<p>Cloud Studio - Declaring the fifth element - Step 3: Declare the element</p>	
<p>(1) Click on Declare Element</p>	
<p>Cloud Studio - Declaring the elements</p>	

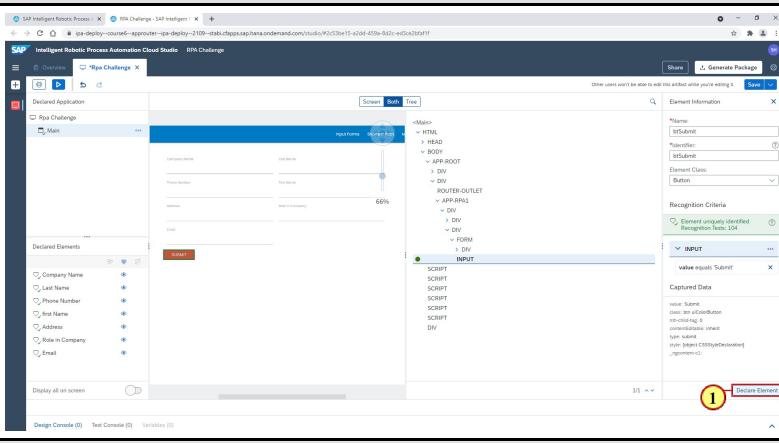
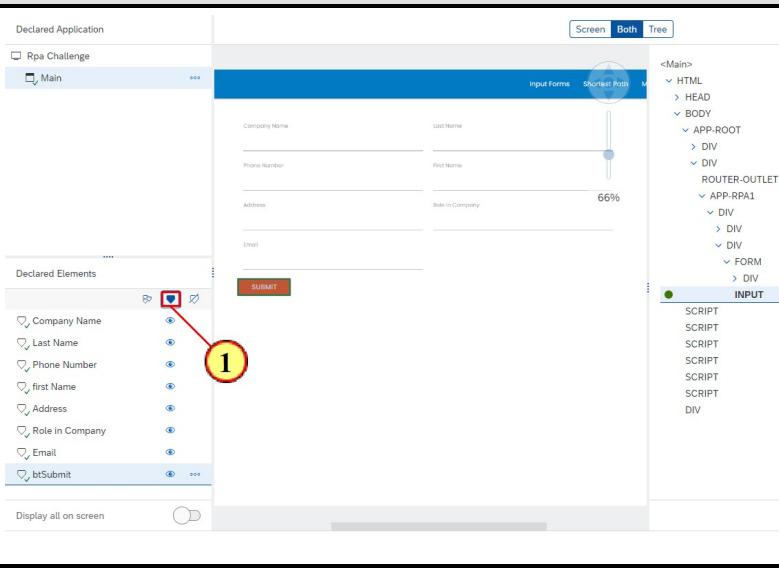
Explanation	Screenshot
(1) Click on the next field to declare	
Cloud Studio - Declaring the sixth element - Step 1: Set the Element Information	
<p>(1) Enter the Name of the field as from the label of the field. Here, for example: Role in Company</p>	
Cloud Studio - Declaring the sixth element - Step 2: Set the Recognition Criteria	
<p>(1) Remove the default criteria</p>	
Cloud Studio - Declaring the sixth element - Step 2: Set the Recognition Criteria	

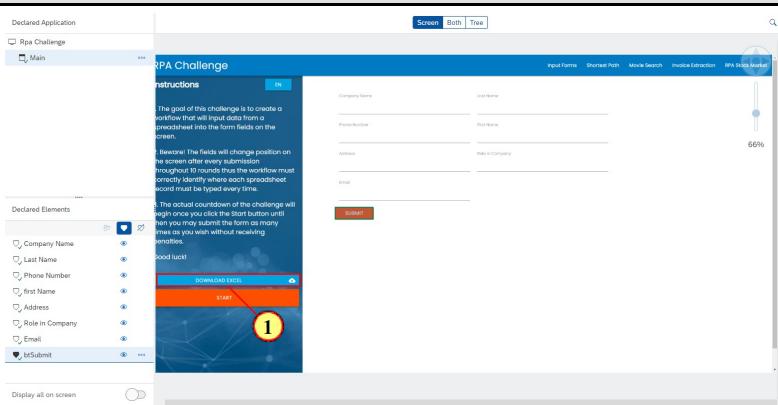
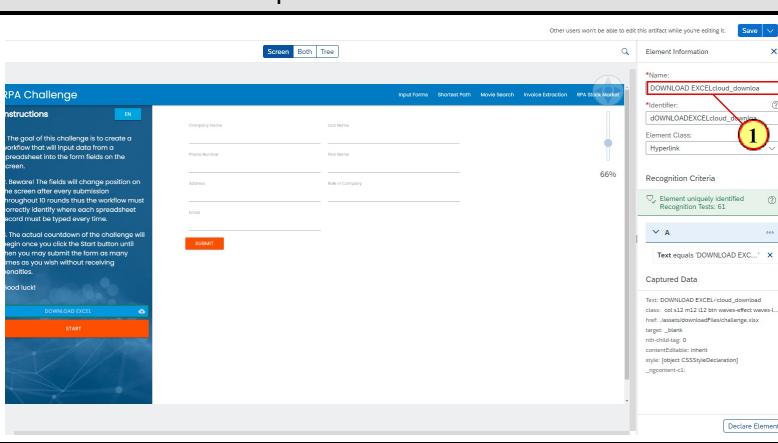
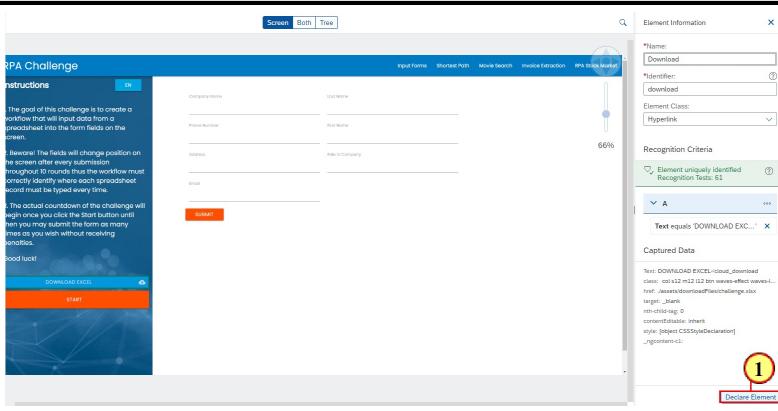
Explanation	Screenshot
<p>(1) Right-click on the parent DIV of the selected element</p>	
<p>Cloud Studio - Declaring the sixth element - Step 2: Set the Recognition Criteria</p> <p>(1) Click Add to criteria. The parent DIV is added as Criteria</p>	
<p>Cloud Studio - Declaring the sixth element - Step 3: Declare the element</p> <p>(1) Click on Declare Element</p>	
<p>Cloud Studio - Declaring the elements</p>	

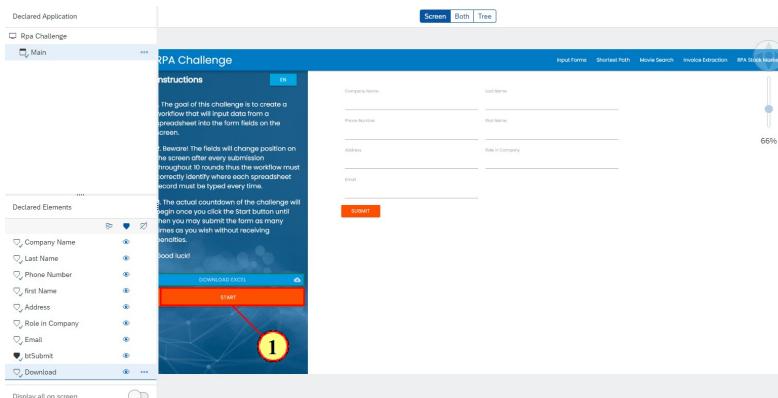
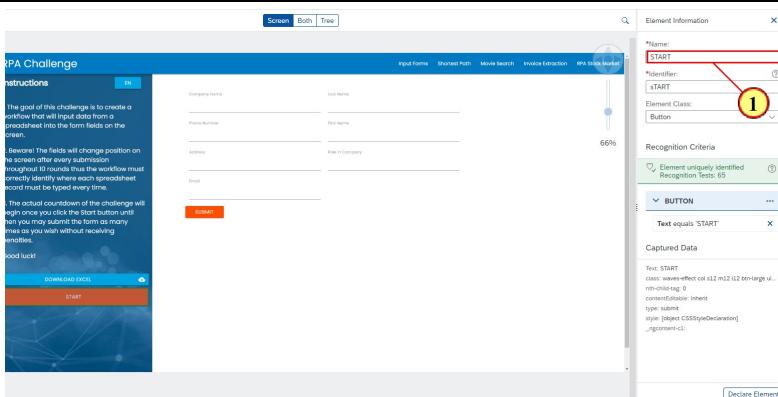
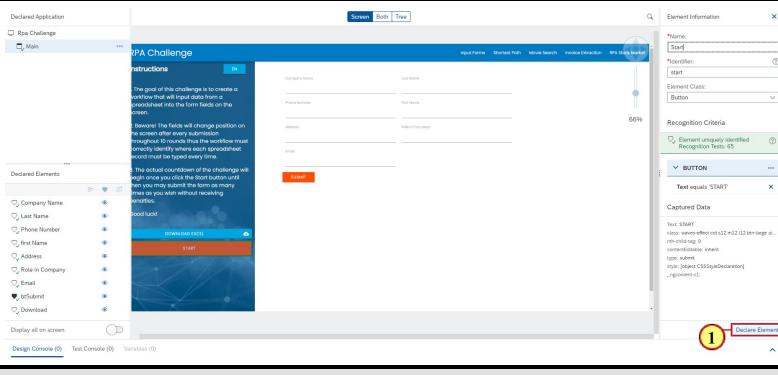
Explanation	Screenshot
(1) Click on the last field to declare	 <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> <pre> <div> <router-outlet> <app-rpa1> <div> <div> <form> <div> <div><!-- Company Name --></div> <div><!-- Last Name --></div> <div><!-- Phone Number --></div> <div><!-- First Name --></div> <div><!-- Address --></div> <div><!-- Email --></div> </div> <button type="button">Submit</button> </form> </div> </div> </app-rpa1> </router-outlet> </div> </pre> </div>
Cloud Studio - Declaring the seventh element - Step 1: Set the Element Information	
(1) Enter the Name of the field as from the label of the field. Here, for example: Email	 <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> <pre> <div> <router-outlet> <app-rpa1> <div> <div> <form> <div> <div><!-- Company Name --></div> <div><!-- Last Name --></div> <div><!-- Phone Number --></div> <div><!-- First Name --></div> <div><!-- Address --></div> <div><!-- Email --></div> </div> <button type="button">Submit</button> </form> </div> </div> </app-rpa1> </router-outlet> </div> </pre> </div>
Cloud Studio - Declaring the seventh element - Step 2: Set the Recognition Criteria	
(1) Remove the default criteria	 <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> <pre> <div> <router-outlet> <app-rpa1> <div> <div> <form> <div> <div><!-- Company Name --></div> <div><!-- Last Name --></div> <div><!-- Phone Number --></div> <div><!-- First Name --></div> <div><!-- Address --></div> <div><!-- Email --></div> </div> <button type="button">Submit</button> </form> </div> </div> </app-rpa1> </router-outlet> </div> </pre> </div>
Cloud Studio - Declaring the seventh element - Step 2: Set the Recognition Criteria	

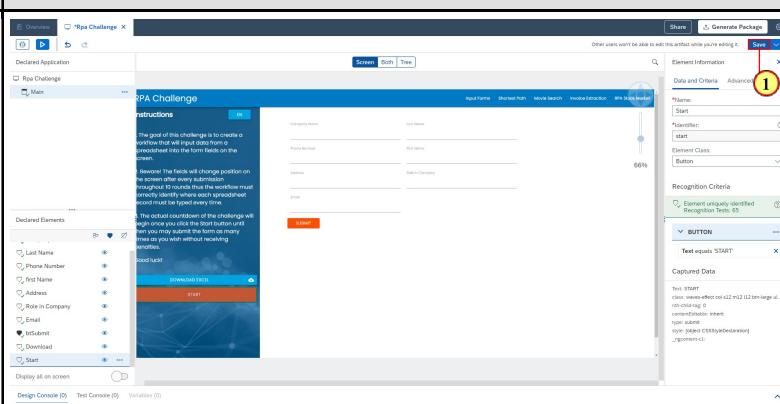
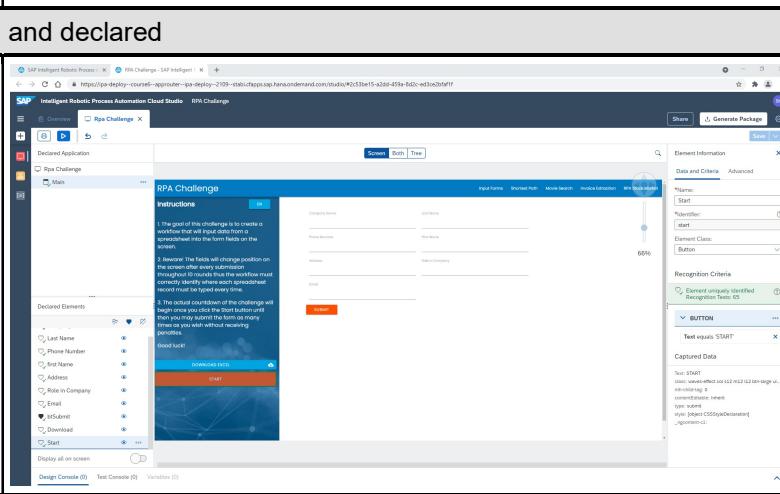
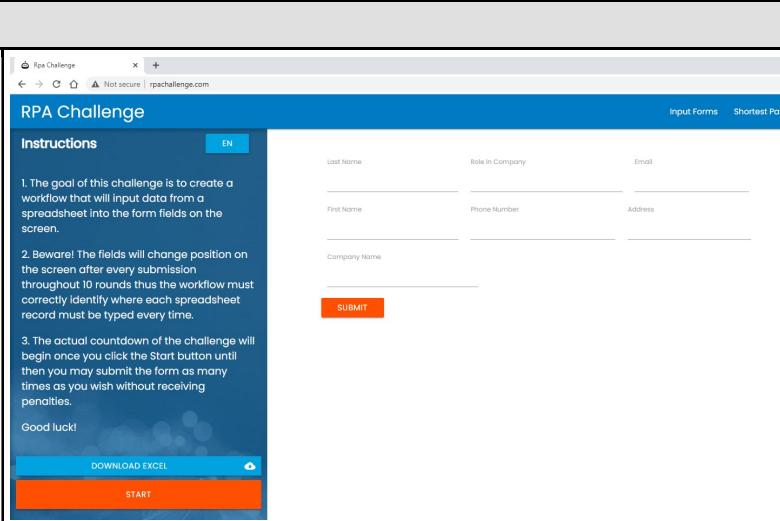
Explanation	Screenshot
(1) Right-click on the parent DIV of the selected element	
Cloud Studio - Declaring the seventh element - Step 2: Set the Recognition Criteria	
(1) Click Add to criteria. The parent DIV is added as Criteria	
Cloud Studio - Declaring the Submit element	

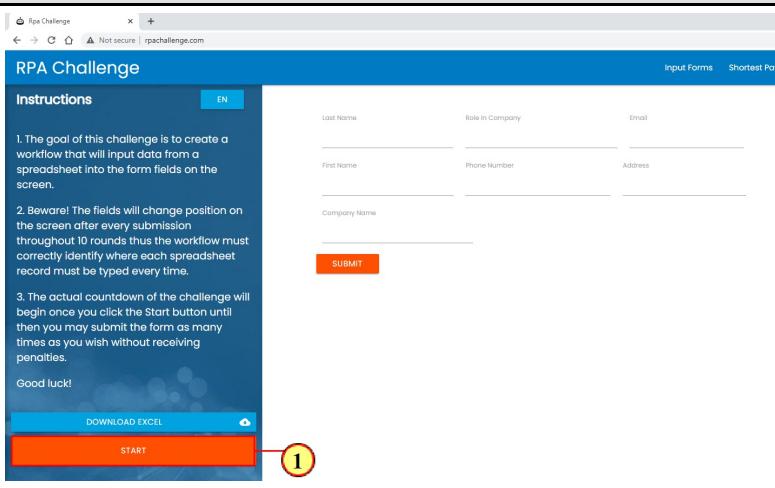
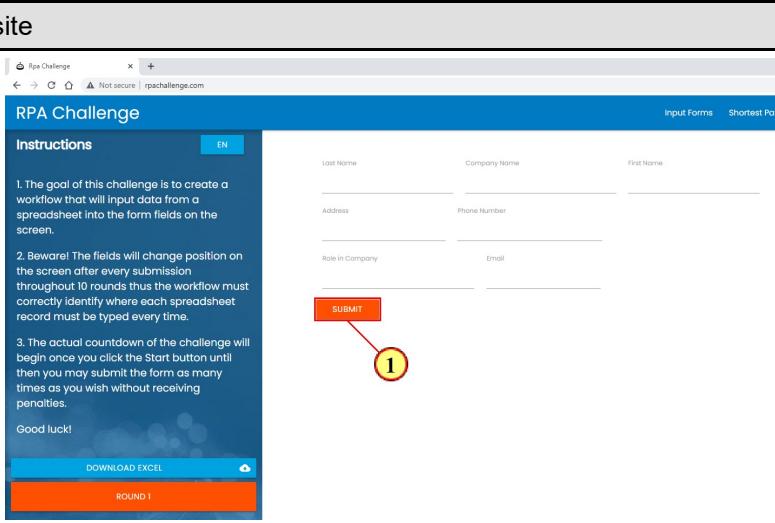
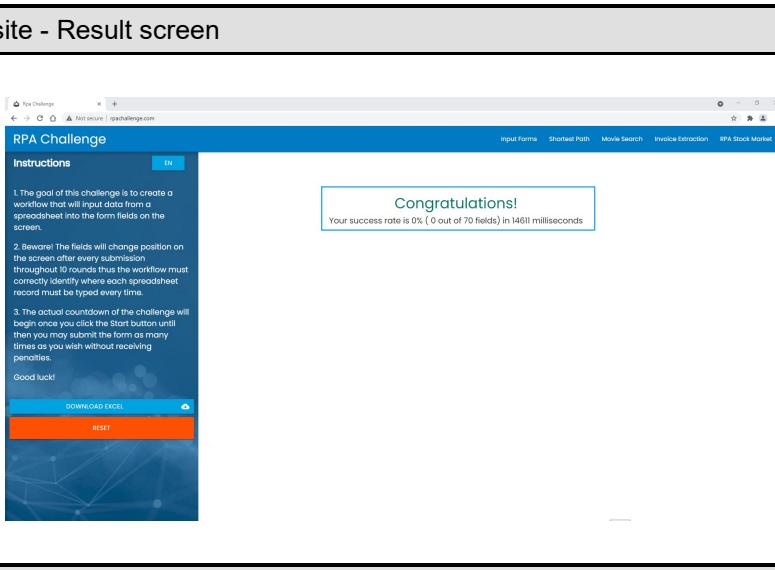
Explanation	Screenshot
(1) Click on the Submit button to select it	 <p>The screenshot shows the 'Declared Application' section with a tree view of the application structure. The 'Main' screen is selected. In the 'Declared Elements' panel, there is a list of fields: Company Name, Last Name, Phone Number, First Name, Address, Role in Company, and Email. A red arrow points from the 'Declared Elements' panel to the 'Submit' button, which is highlighted with a yellow circle labeled '1'.</p>
Cloud Studio - Declaring the Submit Button element - Step 1: Set the Element Information	
(1) In the Element Information side panel, enter a Name for the element, for example: btSubmit	 <p>The screenshot shows the 'Element Information' side panel. The 'Name' field is highlighted with a red box and contains 'btSubmit'. A yellow circle labeled '1' highlights the 'Name' field.</p>
Cloud Studio - Declaring the Submit Button element - Step 2: Set the Recognition Criteria	
(1) In criteria, select " value: Submit " as criterion to add	 <p>The screenshot shows the 'Element Information' side panel. The 'Captured Data' section shows 'value: Submit'. A yellow circle labeled '1' highlights the 'value: Submit' entry.</p>
Cloud Studio - Declaring the Submit Button element - Step 3: Declare the element	

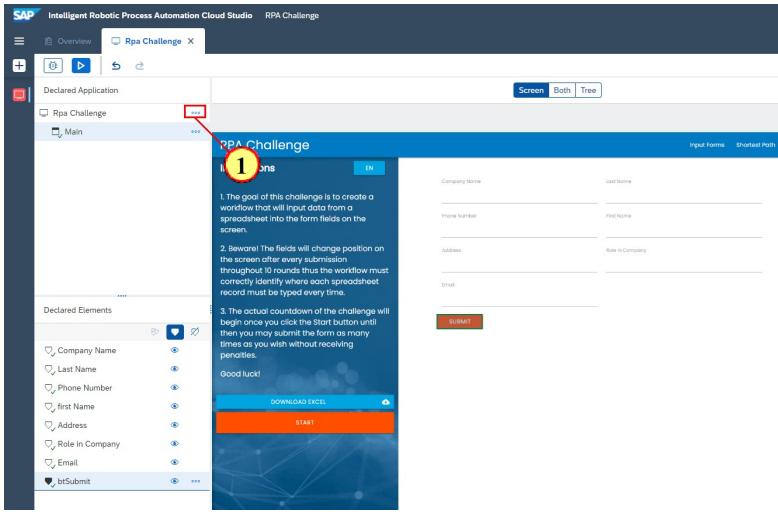
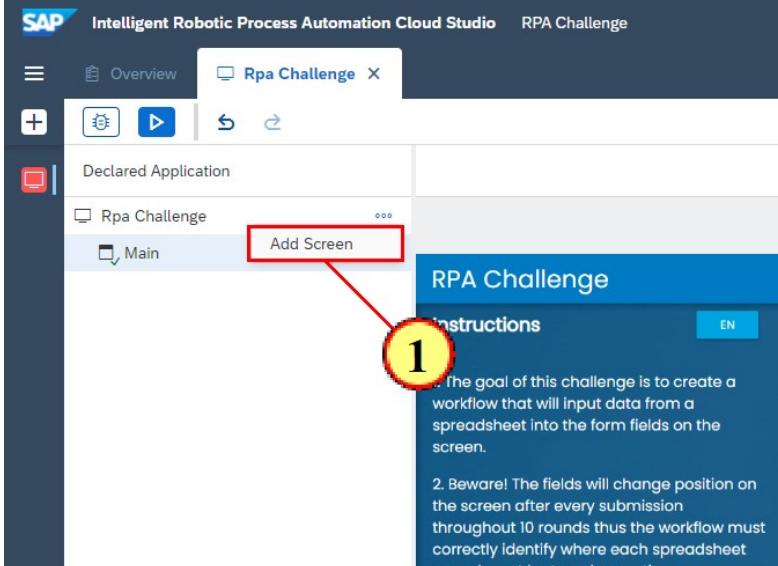
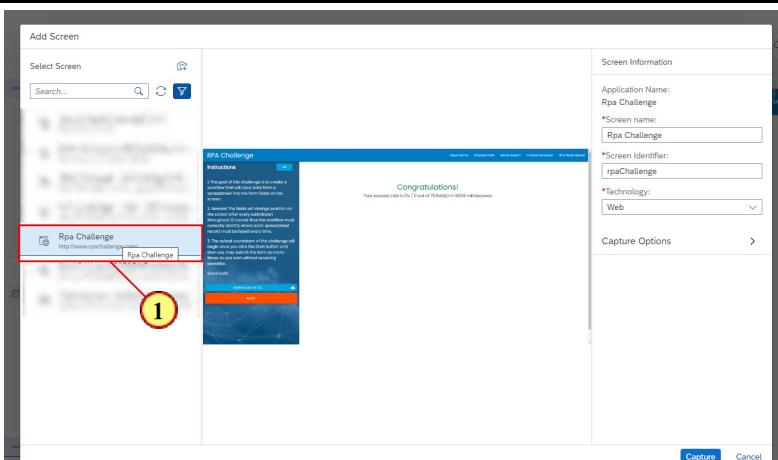
Explanation	Screenshot
<p>(1) Click on Declare Element</p>	
<p>Cloud Studio - Declaring the Submit Button element - Step 4: Set declared element as Must Exist</p>	
<p>(1) Click on the Must Exist icon </p> <p></p> <p>Must Exist means that the screen is not recognized unless the element or elements defined as must exist are detected.</p> <p></p> <p>Be sure that btSubmit is still selected</p>	
<p>Cloud Studio - Declaring the Submit Button element</p> <p>(1) Click on the Screen view</p>	
<p>Cloud Studio - Declaring the Download Excel element</p>	

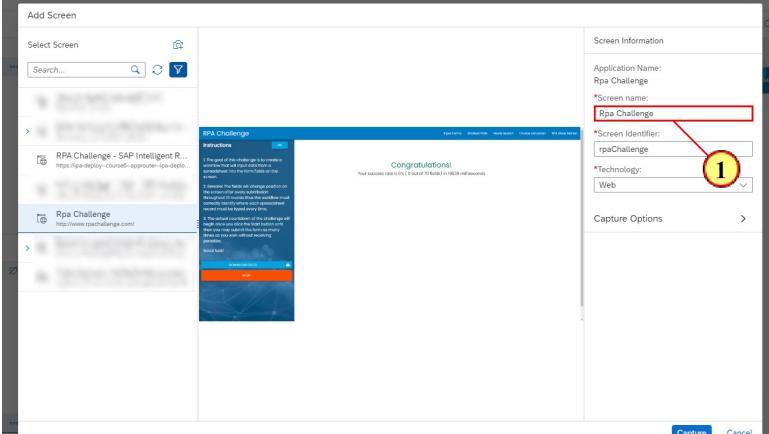
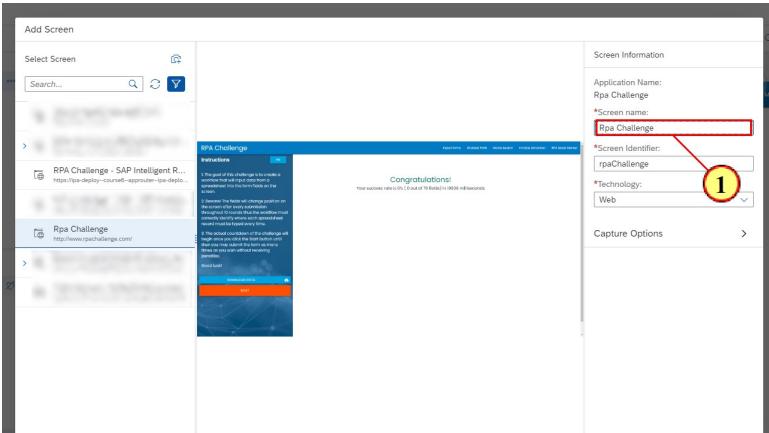
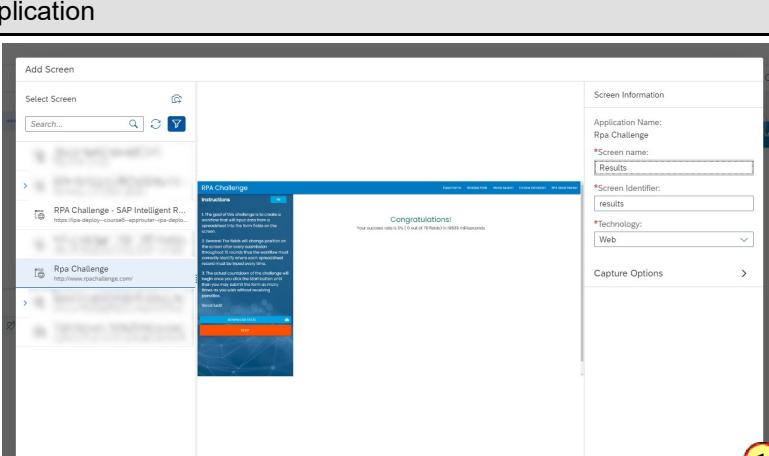
Explanation	Screenshot
<p>(1) Click on DOWNLOAD EXCEL</p>	
<p>Cloud Studio - Declaring the Download Excel element - Step 1: Set Element Information</p> <p>(1) Set name as Download</p>	
<p>Cloud Studio - Declaring the Download Excel element - Step 2: Declare the element</p> <p>(1) Click on Declare Element</p>	
<p>Cloud Studio - Declaring the Start element</p>	

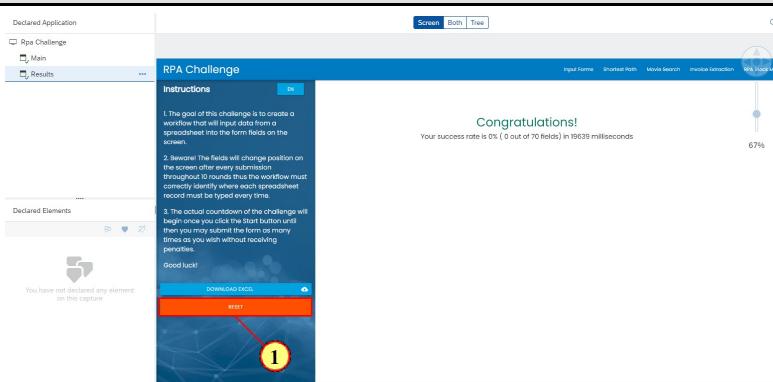
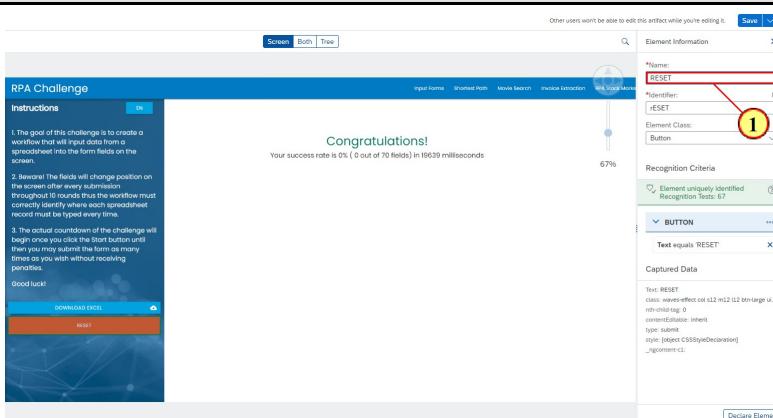
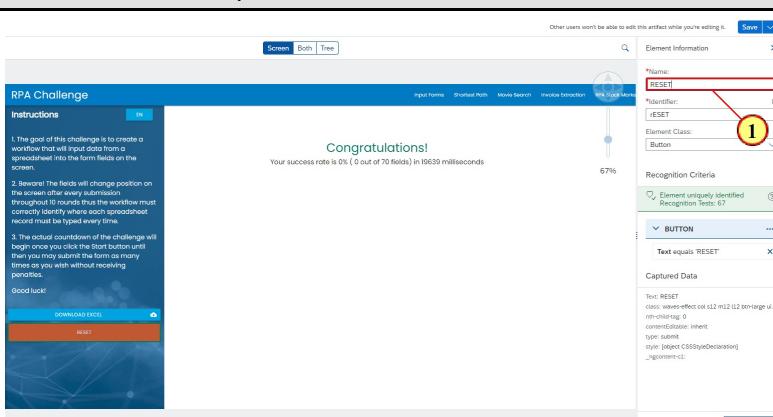
Explanation	Screenshot
(1) Click on START	
Cloud Studio - Declaring the Start element - Step 1: Set Element Information	
(1) Set name as Start	
Cloud Studio - Declaring the Start element - Step 2: Declare the element	
(1) Click on Declare Element	
Cloud Studio - Saving the declared elements	

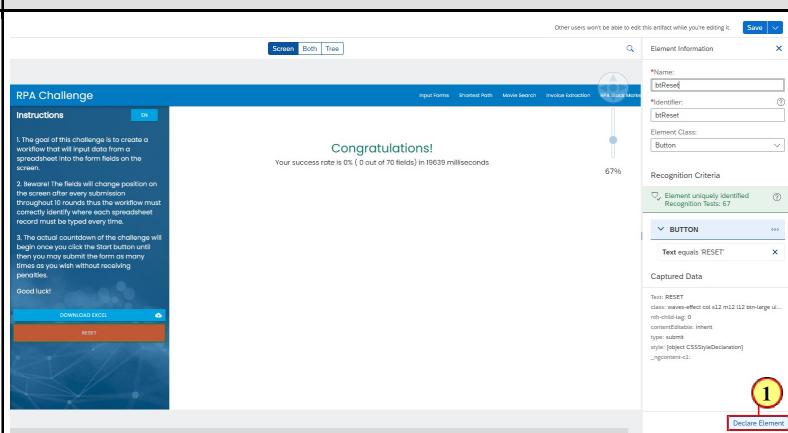
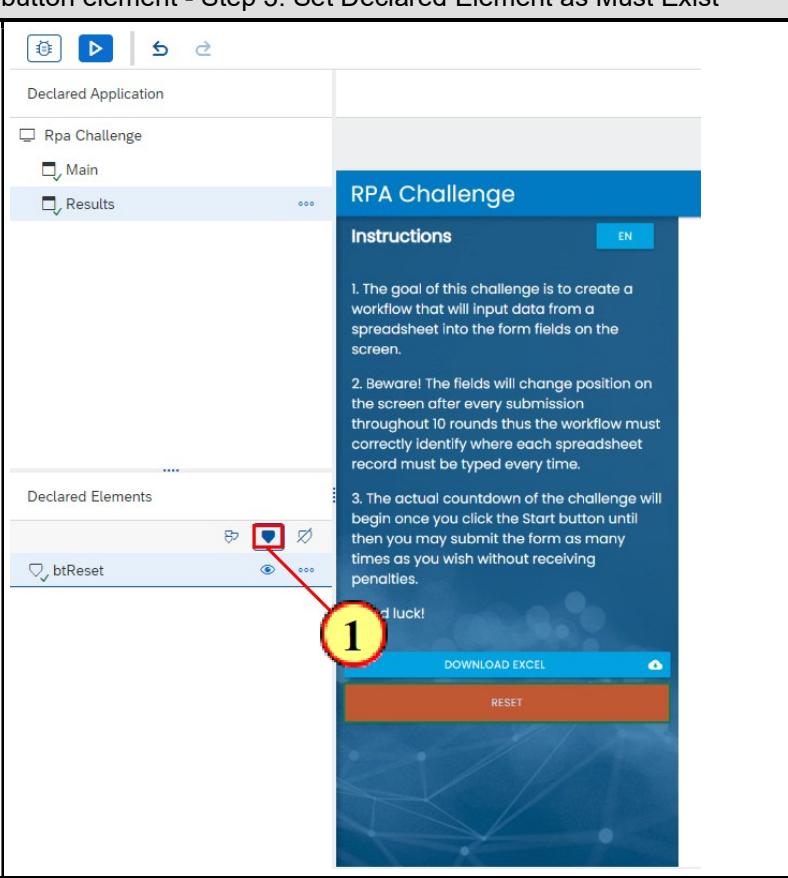
Explanation	Screenshot
<p>(1) Click on Save</p>	
<p>Cloud Studio - Application captured and declared</p> <p>Congratulations, you captured and declared your first Application with its main screen and elements.</p> <p>Before you capture the second screen, you need to go to the RPA Challenge website and navigate manually to the second screen showing the results of the challenge.</p>	
<p>Rpa Challenge - Google Chrome</p> <p>In the RPA Challenge website, you will start the Challenge and click on the Submit button for 10 times.</p>	
<p>Web browser - Rpa Challenge website</p>	

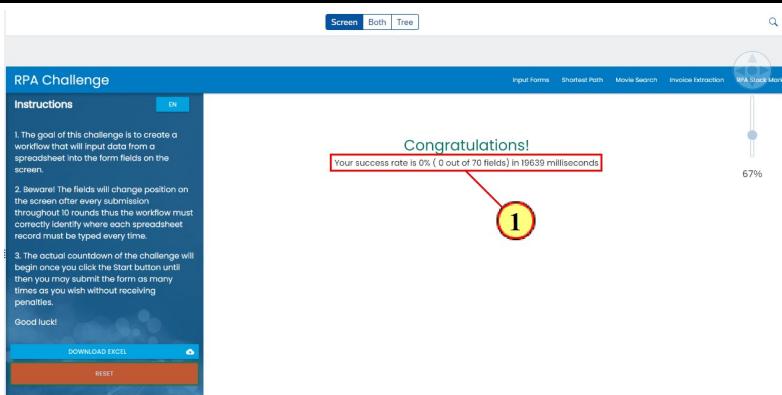
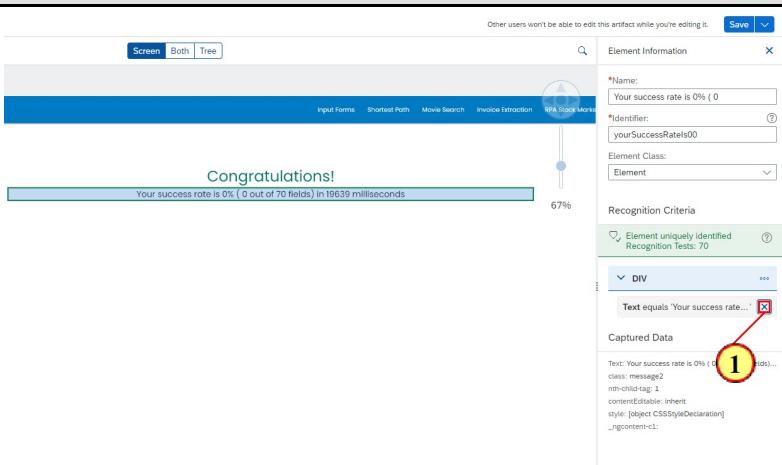
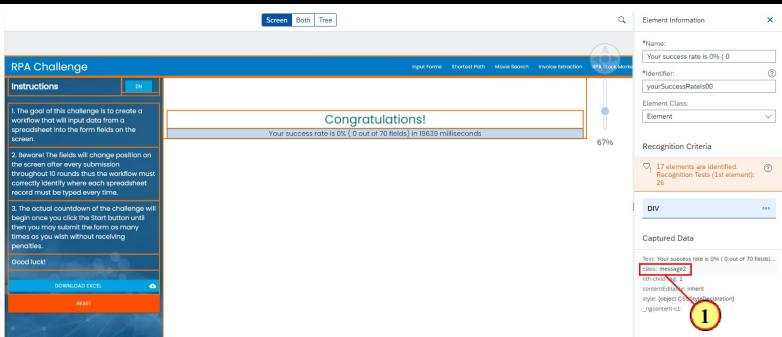
Explanation	Screenshot
(1) Click on START	
(1) Click on the SUBMIT button 10 times until you reach the result screen	
Once this process is completed, you will see a Congratulations message. You need to capture this result screen. Now, go back to the Cloud Studio to capture it.	
Cloud Studio - Capturing second application	

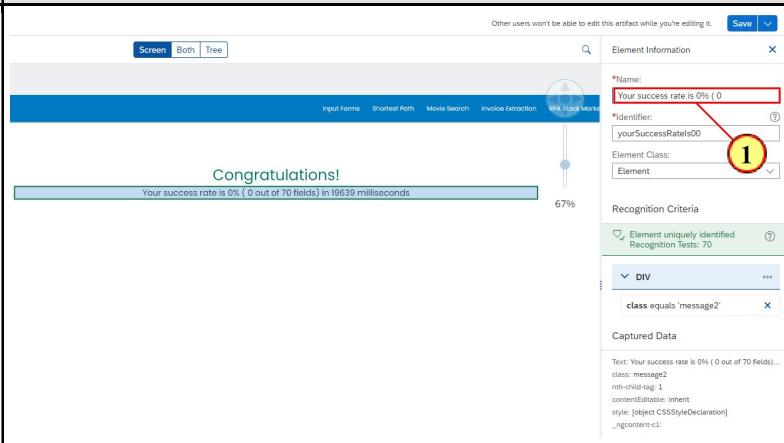
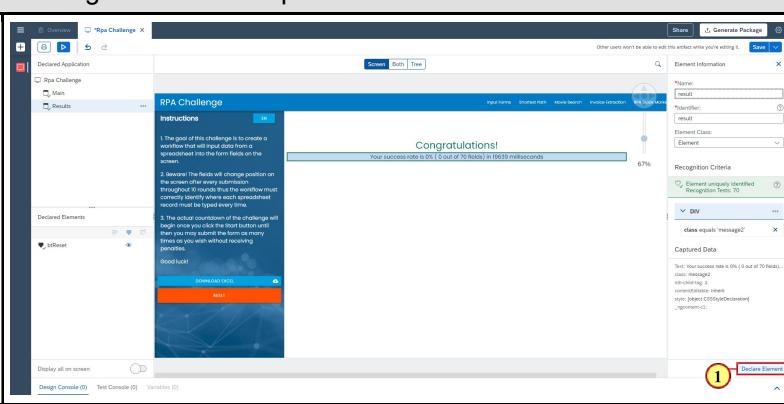
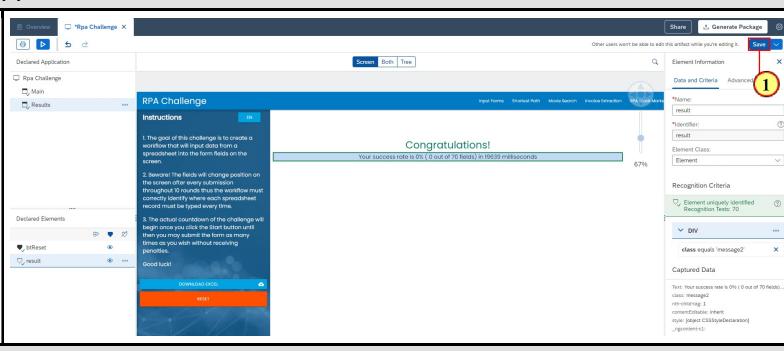
Explanation	Screenshot
<p>(1) Click on the 3 dots  next to the declared application RPA Challenge</p>	
<p>Cloud Studio - Capturing second application</p> <p>(1) Click on Add Screen to add a screen capture</p>	
<p>Cloud Studio - Capturing second application</p> <p>(1) Choose the screen you want to capture from the list of open screens detected. Here we will select the Rpa Challenge screen with http://www.rpachallenge.com/ as url</p>	

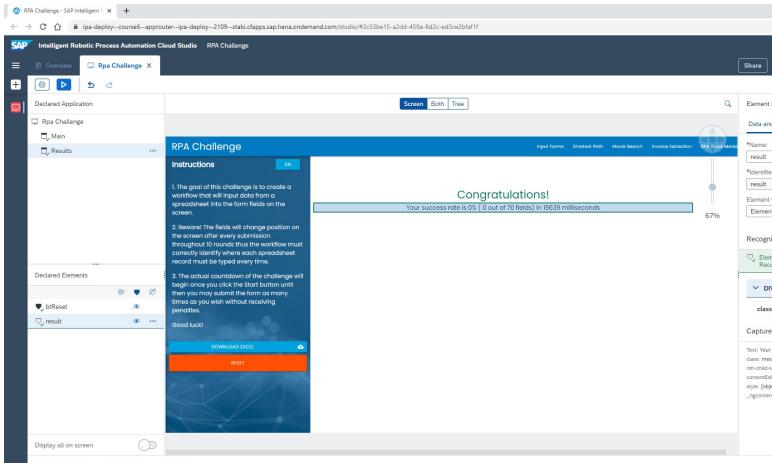
Explanation	Screenshot
Cloud Studio - Capturing second application	 <p>A preview image of the screen is displayed in the capture area. The screen name and identifier are automatically entered in the field in the right-hand panel. You can change them manually.</p> <p>(1) Click on the Screen name parameter</p>
Cloud Studio - Capturing second application	 <p>(1) Set Results as Screen name</p>
Cloud Studio - Capturing second application	 <p>(1) Click on Capture</p>
Cloud Studio - Declaring the Reset button element	

Explanation	Screenshot
(1) Click on RESET	
Cloud Studio - Declaring the Reset button element - Step 1: Set Element Information	
(1) In the Element Information, click on the Name parameter	
Cloud Studio - Declaring the Reset button element - Step 1: Set Element Information	
(1) Set btReset as Name	
Cloud Studio - Declaring the Reset button element - Step 2: Declaring the element	

Explanation	Screenshot
(1) Click on Declare Element	
Cloud Studio - Declaring the Reset button element - Step 3: Set Declared Element as Must Exist	
(1) Click on the Must Exist icon 	
Cloud Studio - Declaring the Result message element	

Explanation	Screenshot
(1) Click on the result message	
Cloud Studio - Declaring the Result message element - Step1 : Set Recognition Criteria	
(1) Remove the default criteria	
Cloud Studio - Declaring the Result message element - Step1 : Set Recognition Criteria	
(1) Select the class: message2 as criteria	
Cloud Studio - Declaring the Result message element - Step 2 : Set Element Information	

Explanation	Screenshot
(1) Set Result as Name	
Cloud Studio - Declaring the Result message element - Step 3 : Declare the element	
(1) Click on Declare Element	
Cloud Studio - Saving the second application	
(1) Click on Save	
Cloud Studio - The application is declared	

Explanation	Screenshot
 <p>The second application is captured and declared.</p>	 <p>The screenshot shows the SAP Intelligent Robotic Process Automation Cloud Studio interface. On the left, the 'Declared Application' tree view shows 'RPA Challenge' with 'Main' and 'Results' nodes. The main workspace displays the 'RPA Challenge' application. The application has a title bar 'RPA Challenge' and a status bar 'Congratulations! Your success rate is 0% (0 out of 70 Rows) in 19539 milliseconds'. The application window contains instructions and a progress bar at 67%. The bottom of the application window has buttons for 'download excel' and 'Reset'. The right side of the studio interface includes a 'Declared Elements' panel listing 'challenge' and 'result', and a 'Captured UI' panel showing captured UI elements like 'Text: Your suc...', 'class: message...', 'role: dialog...', 'style: [selected]...', and '_highlighted'.</p>